

DSA Access Compliance Official Comments (Checklists)

DSA — 2008 CALIFORNIA ACCESS COMPLIANCE REFERENCE MANUAL

Introduction

Section 5 – Official Comments (Checklists): This section contains a collection of 25 subject-specific checklists covering a variety of accessibility topics which may be applicable to construction projects typically submitted to DSA. We have attempted to include relevant citations of accessibility requirements from the CBC and the ADA Standards for Accessible Design. The checklists are intended for use by DSA staff and as a resource for design professionals to promote more uniform statewide criteria for plan review and construction inspection of projects within the jurisdiction of DSA.

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COMMONLY USED ABBREVIATIONS

ADA	Americans with Disabilities Act	MRR	Men's restroom
ADA Stds	ADA Standards for Accessible Design as adopted by the US Department of Justice	N	No
		N/A	Not applicable
ADAAG	Americans with Disabilities Act Accessibility Guidelines	N.A.R.	No action required
ADACO	ADA-Coordinator	NFPA	National Fire Protection Association
AFF	Above finished floor	NT	Non-typical
ANSI	American National Standards Institute	o.c.	On center
ASME	American Society of Mechanical Engineers	O/R	Official responsible
		P.A.	Physical alteration
ASTM	American Society for Testing and Materials	PD	Project Designer
BHMA	Builders Hardware Manufacturers Association	P.M.	Program modification
C.T.P.	Contact third party	PRC	California Public Resources Code
CA	California	PTD	Paper towel dispenser
CBC	California Building Code	Qty	Quantity
CBSC Part 1	California Building Standards Administrative Code	REF	Reference
		req.	Requirement
CBSC	California Building Standards Code or Title 24 of the California Code of Regulations	RO	DSA Regional Office
		ROM	Regional Office Manager
CC	California Civil Code	SD	Soap dispenser
CCR	California Code of Regulations	sec.	Second (1/60 minute)
CEC	California Electrical Code	Sec.	Section
CESCC	California Elevator Safety Construction Code	sf	Square foot
CFC	California Fire Code	SFM	California State Fire Marshal
CFR	Code of Federal Regulations	tbd	To be determined
CHBC	California Historical Building Code	Tbl.	Table
cl	Center line	Title 24	Title 24 of the CCR
CMC	California Mechanical Code	UFAS	Uniform Federal Accessibility Standards
CPC	California Plumbing Code	USAB	United States Access Board
CRSC	California Reference Standards Code	USDOJ	U.S. Department of Justice
D.A.	Designated accessible	u.o.n.	Unless otherwise noted
Dept.	Department	VC	California Vehicle Code
DF	Drinking fountain	WC	Water closet
DGS	Department of General Services	WRR	Women's restroom
DH	Department Head	Y	Yes
Dims	Dimension, measurement	28 CFR 35	DOJ's Rule for ADA Title II
DSA	Division of the State Architect	28 CFR 36	DOJ's Rule for ADA Title III
DSA-AC	DSA Access Compliance Program		
E.F.	Equivalent facilitation		
Fig.	Figure		
GC	California Government Code		
H&SC	California Health and Safety Code		
HQ	Headquarters		
IBC	International Building Code		
incl.	Including		
ISA	International Symbol of Accessibility		
IR	Interpretation of Regulations		
Lab	Laboratory		
Lav	Lavatory		
lbs.	Pound		
If	Linear foot		
Lib	Library		
MAC	DSA-AC Program Manager		
max	Maximum		
min	Minimum		
MOD	Modernization project		
MoM	Method of mitigation		
MOU	Memorandum of understanding		
MP	Master priority		

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Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 1. GENERAL REQUIREMENTS

GENERAL SUBMITTAL NOTES

- ❑ Plans and specifications shall be sufficient to show extent of work and shall be complete at the time of submittal. Plans that are incomplete will not be reviewed and DSA will issue a notification letter to the PD and the school district. A construction document set may be considered for rejection by DSA for any of the following reasons:

1. Excessive coordination errors (no more than ten per project). Civil, architectural, structural, mechanical, plumbing, landscaping, and electrical plans and specifications should be coordinated to match.
2. Excessive, incompletely dimensioned details from site plan, floor plans, and interior elevations.
3. Absence of coordinated signage schedule indicating the location and mounting height of signs.
4. Absence of accessible parking plans and details indicating dimensioned clearances, slopes, transitions between materials, signage, and parking ratios.
5. Modernization project site plans on which no path of travel is indicated to accessible toilets and area of new work.
6. Incomplete plan set as indicated on the index sheet.
7. Lacking application, check, plans or specifications.
8. Assembly rooms without seating plans and details, no accessible seating locations with companion seating, or non-equitable lines of sight (includes stadiums and bleachers).
9. Doors without all required clearances fully dimensioned.
10. Missing details for ramps, curb cuts, transitions, elevators, stairs, lifts, thresholds, or cross slopes.
11. Absence of dimensioned restroom plans enlarged to 1/4 inch scale and interior elevations with fixture locations and accessory mounting heights.
12. Incomplete door schedule lacking:
 - Size of doors
 - Hardware groups
 - Threshold details referenced
 - Signage coordination (details referenced and copy)
13. Assembly room plans which do not indicate assistive listening devices, as required, with signage.

- ❑ Reviewer will review all items related to accessibility, provided by project designer (PD), in specifications and in plans, including floor plans, elevations, sections, and details, to make sure all construction work is accessible. For DSA policies, practices and procedures, go to the DSA website at: www.dsa.dgs.ca.gov

- ❑ Reviewer will review preliminary design meeting notes (prepared and submitted by PD).

CBSC Part 1,
4-317(b)2

Information on plans and specifications

DSA Plan Check Procedures

DSA Plan Check Procedures

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Check List 1. GENERAL REQUIREMENTS

GENERAL PLAN REVIEWER NOTES

G.1	Provide the following for this element or area: 1. Enlarged Plans 2. Sections 3. Elevations 4. Details	CBSC Part 1 4-317(b)	Plans
G.2	Coordinate element(s) in architectural, structural, mechanical, plumbing, or electrical drawings (plans, sections, elevations, or details) with the one shown in this area.	CBSC Part 1 4-317(b)	Plans
G.3	Provide all sheets, sections, elevations, and details as indicated in plans.	CBSC Part 1 4-317(b)	Plans
G.4	Coordinate element(s) with specifications.	CBSC Part 1 4-317(b)	Plans
G.5	Indicate scale on drawing.	CBSC Part 1 4-317(b)	Plans
G.6	Provide missing dimension(s).	CBSC Part 1 4-317(b)	Plans
G.7	Update old code citation with current one.	CBSC Part 1 4-317(b)	Plans
G.8	Typical (applies to all similar situations in this project).	CBSC Part 1 4-317(b)	Plans
G.9	Provide absolute dimensions, not a range, in construction documents.	CBSC Part 1 4-317(b)	Plans
G.10	Provide enlarged plan or detail, showing all relevant dimensions to clearly indicate how accessibility requirements are met.	CBSC Part 1 4-317(b)	Plans
G.11	Delete the term "handicap" and/or "H/C". Use "accessible", "ACC" for accessible, or "D.A." for disabled access(ibility) instead.	Appendix B to 28 CFR 35.104 & VC §22511.9	Definitions Disabled person sign
G.12	Identified work, element, furniture, equipment, or layout, even though labeled NIC or provided by the owner, is integral to access compliance of this submittal. Specify dimensions and locations of work or element.	CBSC Part 1 4-317(b)	Plans
G.13	In new construction, additions, and in areas of alteration, full compliance must be provided.	CBSC Part 1 4-317(b)	Plans
G.14	PD may consider submitting a written application for unreasonable hardship to DSA and providing equivalent facilitation.	CBC 202 CBC 1102B	Definitions Definitions
G.15	Shown equivalent facilitation does not provide equal or greater accessibility and protection, as provided under federal law.	CBC 1102B & GC §4451(f)	Definitions Access to public buildings
G.16	Bring manufacturer cut-sheets or product sample of specified element to back check.	DSA Plan Check Procedures	

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Check List 1. GENERAL REQUIREMENTS

GENERAL REQUIREMENTS

- 1.1 State and federal rules require, as do the statutes, that newly constructed facilities be readily accessible to and usable by individuals with disabilities. The phrase "readily accessible to and usable by individuals with disabilities" is a term that, in slightly varied formulations, has been used in the Architectural Barriers Act of 1968, the Fair Housing Act, the regulations implementing section 504 of the Rehabilitation Act of 1973, California's Government Code, and current accessibility standards. It means, with respect to a facility or a portion of a facility, that it can be approached, entered, and used by individuals with disabilities (including mobility, sensory, and cognitive impairments) easily and conveniently. A facility that is constructed to meet the requirements of the rules' accessibility standards will be considered readily accessible and usable with respect to construction. To the extent that a particular type or element of a facility is not specifically addressed by the standards, the language of this section is the safest guide.

GC §4450 &
Appendix B of
28 CFR Part 36

Access to public buildings

- 1.2** Show list of all current codes, regulations, and adopted standards, which apply for the project:

Applicable State Codes as of January 1, 2008

- ❑ 2007 Building Standards Administrative Code, Part 1, CBSC
- ❑ 2007 California Building Code (CBC), Part 2, CBSC
(2006 IBC & California Amendments)
- ❑ 2007 California Electrical Code (CEC), Part 3, CBSC
(2005 National Electrical Code & California Amendments)
- ❑ 2007 California Mechanical Code (CMC), Part 4, CBSC
(2006 Uniform Mechanical Code & California Amendments)
- ❑ 2007 California Plumbing Code (CPC), Part 5, CBSC
(2006 Uniform Plumbing Code & California Amendments)
- ❑ 2007 California Energy Code, Part 6, CBSC
- ❑ 2007 California Historical Building Code, Part 8, CBSC
- ❑ 2007 California Fire Code, Part 9, CBSC
(2006 International Fire Code & California Amendments)
- ❑ 2007 California Referenced Standards, Part 12, CBSC
- ❑ Title 8 C.C.R., Ch. 4, Sub-Ch. 6 – Elevator Safety Orders
- ❑ Title 19 C.C.R., Public Safety, SFM Regulations

CBSC Part 1
4-317(b)

Plans

List of Federal Codes and Standards (if applicable)

- ❑ Americans with Disabilities Act (ADA), Title II or Title III
- ❑ For Title II: Uniform Federal Accessibility Standards (UFAS) or ADA Standards for Accessible Design (Appendix A of 28 CFR Part 36).
- ❑ For Title III: ADA Standards for Accessible Design (Appendix A of 28 CFR Part 36)

28 CFR 35.151(c)

28 CFR 36.406

NOTE:

Title II applies to projects funded and/or used by state and local government services. Title III covers public accommodations and commercial facilities. Depending on the use and funding, both titles may apply to a project.

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
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& Examples

Check List 1. GENERAL REQUIREMENTS

Partial List of Applicable Referenced Standards

- ☐ NFPA 13, Installation of Sprinkler Systems, 2002 Edition
- ☐ NFPA 72, National Fire Alarm Code (CA Amended) 2002 Edition (see UL Standard 1971 for "Visual Devices")
- ☐ Reference code section for NFPA Standards-CBC (SFM) Chapter 35.
- ☐ ASME A17.1-2004
- ☐ ASME A18.1-2003
- ☐ ASTM F 1487-98 Standard Consumer Safety Performance Specification for Playground Equipment for Public Use.
- ☐ ASTM F 1951-99 Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.
- ☐ ASTM F 1292-99 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment.
- ☐ BHMA A156.10-1999 American National Standard for Power Operated Pedestrian Doors
- ☐ BHMA A156.19-2002 American National Standard for Power Assist and Low Energy Power Operated Doors

1.3 Provide list of code analysis data: construction type, area square footage, occupancy classification, occupancy load, and fire sprinklers, if applicable.

1.4 Describe the scope of work covered under this application. Identify the area, category, and type of project.

1.5 In order to clarify the scope of work, describe the relationship of this application with previous or upcoming projects at the same site and provide DSA application numbers for all buildings, paths of travel, parking, passenger loading zones, sanitary facilities, drinking fountains, signage, and public telephones on this site (e.g., increments, phases, ADA Transition Plan efforts, etc).

1.6 Due to the difficulty of anticipating every unsatisfactory condition that might exist in connection with the existing facility where alteration work is proposed, the following clause or one of similar meaning must be included in the specifications or in the general notes:

The intent of the drawings and specifications is to modify the facility for accessibility in accordance with Title 24, California Code of Regulations. Should any conditions develop not covered by the contract documents such that the finished work will not comply with said Title 24, California Code of Regulations, a change order detailing and specifying the required work shall be submitted to and approved by DSA-AC before proceeding with the work.

1.7 Indicate whether the facility is a qualified historical building and provide details showing whether the alteration is using alternatives in compliance with California State Historical Building Code (see Checklist 24).

CBSC Part 1, 4-317

Plans, specs and other data

CBSC Part 1
4-317(b)

CBSC Part 1, 4-317

CATEGORIES OF PROJECTS:

- New construction
- Alteration w/o state funds
- Alteration w/ state funds
- Additions
- Relocatables
- HCD relocatables
- ADA-barrier removal
- Fire damage projects
- Historical properties
- MOU projects
- Housing
- Class size reduction
- Other

CBC 1135B.1
CBSC Part 8, Ch 8-6

Historical preservation – General
CA Historical Building Code

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Check List 1. GENERAL REQUIREMENTS

1.8 Stamp or license of design professional is missing or expired, renew and stamp plans for back check.

CBSC Part 1
4-316(c)

Assumption of responsibility

1.9 For new construction projects: provide full accessibility to all areas of facilities or portions of facilities, including exterior routes of travel and all floors, including split levels, platforms, podiums, sunken areas, balconies, roof gardens, and mezzanines. Modify scoping of the project accordingly and indicate clearly on drawings how this requirement is being met.

GC §4450
CBC 1103B.1 &
CBC 1127B.1

Access to public buildings
Building accessibility - General
Exterior routes of travel

EXCEPTIONS:

- a. Floors or portions of floors not customarily occupied, including, but not limited to, non-occupiable or employee spaces accessed only by ladders, catwalks, crawl spaces, very narrow passageways, or freight (non-passenger) elevators, and frequented only by service personnel for repair or maintenance purposes: such spaces as elevator pits and elevator penthouses, piping and equipment catwalks, and machinery rooms.

28 CFR 35.130(b)(4): A public entity may not, in determining the site or location of a facility, make selections –

- (i) That have the effect of excluding individuals with disabilities from, denying them the benefits of, or otherwise subjecting them to discrimination; or
- (ii) That have the purpose or effect of defeating or substantially impairing the accomplishment of the objectives of the service, program, or activity with respect to individuals with disabilities.

1.10 For alteration, renovation, structural repair, or addition projects: provide full accessibility within the area of specific alteration. All proposed work must comply fully with the requirements for new construction (see Item 1.9, including exception). Scoping of the project shall be shown clearly on drawings indicating how this requirement is being met.

GC §4450
CBC 1134B.2

Access to public buildings
Accessibility for existing buildings

1.11 In alteration, renovation, structural repair, or addition projects, the following elements, serving the specific area of alteration must be made accessible:

CBC 1134B.2.1

Accessibility for existing buildings

1. A primary entrance to the building, facility, or exterior area that is being altered.
2. A primary path of travel to the specific area of alteration, including: a path of travel from the site entry point (at the public right-of-way) that is closest to public transportation stops; a path of travel from on-site transportation stops; designated accessible parking; a path of travel from designated accessible parking; and identifying and directional signage.
3. Sanitary facilities serving the area.
4. Drinking fountains serving the area.
5. Signage.
6. Public telephones serving the area.

DEFINITIONS:

ALTERATION: Any change, addition, or modification in construction or occupancy or structural repair or change in primary function to an existing structure made by, on behalf of, or for the use of a public accommodation or commercial facility, that affects or could affect the usability of the building or facility or part thereof.

ADDITION: An extension, expansion or increase in floor area or height of a building, facility or structure.

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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Check List 1. GENERAL REQUIREMENTS

<p>1.12 Modify scoping of the project and all related drawings to indicate clearly how scoping requirements are being met.</p> <p>EXCEPTIONS:</p> <p>a. Alteration Projects below the Cost Cap:</p> <p>When the total construction cost of alterations is less than \$119,958.65 (in 2008), and DSA finds that full compliance creates an unreasonable hardship, and equivalent facilitation is provided, compliance shall be limited to the actual alteration work.</p> <p>An unreasonable hardship exists where the cost of providing an accessible entrance, path of travel, sanitary facilities, public phones and drinking fountains, exceeds 20% of the cost of the project without these features. In such a case, access must be provided to the extent that it can be without incurring disproportionate cost (up to 20%).</p> <p>PD must apply for unreasonable hardship in writing and provide construction history for this site for the previous three years, and construction cost documentation.</p> <p>When scoping the project, priority should be given to those elements that will provide the greatest access in the following order:</p> <ol style="list-style-type: none"> 1. An accessible entrance. 2. An accessible path of travel (POT) to the altered area. 3. At least one accessible restroom of each type for each sex serving the area of alteration. 4. Accessible telephones. 5. Accessible drinking fountains. 6. Additional accessible elements. <p>b. Barrier Removal Projects</p> <p>Alterations that are limited to the removal of architectural barriers are not subject to the accessibility requirements in CBC 1134B.2.1. Exception 3 of Section 1134B.2.1 is not intended to relieve projects from complying with all applicable provisions within the specific area of alteration.</p> <p>c. Other Alteration Projects</p> <p>Alteration projects that consist <u>only</u> of heating, ventilation, air conditioning; re-roofing; electrical work not involving placement of switches and receptacles; cosmetic work (e.g. painting, carpeting) that does not affect items regulated by the CBSC, etc. are not considered alterations for the purpose of accessibility and are not subject to the accessibility requirements in CBC 1134B.2.1.</p> <p>Exception 4 of CBC 1134B.2.1 is not intended to relieve projects from complying with other applicable provisions of the CBC (e.g., replacement of carpet does not activate the</p>	<p>CBSC Part 1 4-317(b)</p> <p>CBC 1134B.2.1</p> <p>CBC 202 & GC §4451(f)</p> <p>CBC 1134B.2.1 - Exception 3</p> <p>CBC 1134B.2.1 - Exception 4</p>	<p>Plans</p> <p>Accessibility for existing buildings Exception 1</p> <p>NOTE: Exception (a) is based on the January ENR Index and will be updated annually (January). See www.dsa.dgs.ca.gov/access/ud_thres_hold.htm</p> <p>Definitions Access to public buildings</p> <p>Accessibility for existing buildings</p> <p>NOTE: Exception (b) does not apply to facilities for which construction started after January 26, 1992.</p> <p>Accessibility for existing buildings</p>
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& Examples

Check List 1. GENERAL REQUIREMENTS

provisions of this section; however, the new carpet still must comply with CBC 1124B.3).

PD must provide information related to applicable accessibility requirements for all planned elements and features in the specific area of alteration.

d. Alteration Projects with Department of Education (CDE) or Office of Public School Construction (OPSC) Funding

Alteration projects that are wholly or in part funded by CDE or OPSC, and which consist only of heating, ventilation, air conditioning; re-roofing; electrical work not involving placement of switches and receptacles; cosmetic work (e.g. painting, carpeting) that does not affect items regulated by the CBSC, etc. are not considered alterations for the purpose of accessibility and are not subject to the accessibility requirements in CBC 1134B.2.1.

However, OPSC makes an additional 3% of funding available for Access and Fire-Life-Safety beyond the building envelope, plus provides an allocation for required elevators.

Scoping of the project and all drawings shall indicate clearly how this requirement is met. Provide cost documentation.

CBC 1134B.2.1 -
Exception 4

Accessibility for existing buildings

CBSC Part 1
4-317(b) &

Plans

1.13 Special requirements for school modernization projects:

1. Provide information related to the project consistent with the district's ADA Transition Plan for the facilities.
2. If elevators are required by DSA in writing at preliminary phase, partial funding for elevator can be granted by OPSC, in addition to the basic funding package.
3. Alteration projects under \$33,710.66 (in 2008) need not be submitted to DSA, however, all work must be code-compliant. Also, projects between \$33,710.66 and \$134,842.64 may not require DSA review when specific conditions are met.

CBSC Part 1
4-317(b)

Plans

CBSC Part 1, 4-308
4-308
CBSC Part 1
4-309
DSA-IR A-10

Reconstruction or alterations not in excess of \$25,000 in cost
Reconstruction or alterations in excess of \$25,000 in cost
Reconstruction and alteration projects – Exemption from DSA approval

NOTE: Cost threshold is based on the January ENR Index and will be updated annually.

- 1.14** Provide the following note on drawings for projects that include deferred approval items for access related equipment or elements: "Installation of deferred approval items shall not be started until contractor's drawings, specifications and engineering calculations for the actual systems to be installed have been accepted and signed by the Architect or Structural Engineer and approved by DSA."

CBSC Part 1
4-317(b)

Plans

- 1.15** Charter schools must submit plans to DSA for approval.

CBC 109.1.4.1

Enforcing agency

2

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Check List 2. SITE REQUIREMENTS

2.4 Indicate the following infrastructure on site plan:

1. Location of all sanitary facilities on site.

- A. Identify all sanitary facilities that are part of the project and provide DSA application number for existing sanitary facilities that were previously upgraded.
- B. Identify all existing sanitary facilities.
- C. Identify type of use (men's, women's, or unisex; single or multi-accommodation; employee, public, student, kindergarten, or visitor).
- D. Prior to back check, PD must field verify and indicate on plans compliance status with current standards of sanitary facilities serving the areas of construction. Fully compliant sanitary facilities should be identified as "accessible". Identified barriers that do not comply with current standards must be removed under this application or PD must file for unreasonable hardship.

CBSC Part 1
4-317(b)
CBC 1115B

Plans

Bathing and toilet facilities

CBC 1134B.2.1,
CBSC, Part 1,
4-316(e) &
CBC 202

Existing buildings
Designation of Responsibilities

Unreasonable hardship

2. Location of all on-site and associated off-site parking and passenger drop-off and loading zones.

- A. Provide parking ratio for all parking, indicating number of regular, accessible, van-accessible, and total spaces. Calculate each lot/area separately.
- B. Identify type of use (regular, accessible, or van-accessible; employees, students, or visitors), and provide DSA application number for existing parking and passenger loading zones that were previously upgraded.
- C. Identify all accessible parking spaces and passenger loading zones that are part of the project.
- D. Indicate 5' min wide access aisles adjacent to each accessible parking stall and 8' min wide access aisles on the passenger side of all van accessible parking stalls.
- E. Indicate location of accessible parking stall and "Tow-away" signage.
- F. Prior to back check, PD must field verify and indicate on plans compliance status with current standards of accessible parking and passenger loading zones serving the areas of construction. Fully compliant accessible parking and passenger loading zones should be identified as "accessible". Identified barriers that do not comply with current standards must be removed under this application or PD must file for unreasonable hardship.

CBC 1129B &
CBC 1131B

Accessible parking required
Passenger drop-off and loading
zones

CBC 1134B.2.1,
CBSC, Part 1,
4-316(e) &
CBC 202

Existing buildings
Designation of Responsibilities

Unreasonable hardship

3. Location of all drinking fountains on site.

- A. Identify all drinking fountains that are part of the project and provide DSA application numbers for existing drinking fountains that were previously upgraded.
- B. Identify all existing drinking fountains.

CBC 1115B.4.6 &
CBSC Part 1
4-317(b)

Drinking fountains
Plans

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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Check List 2. SITE REQUIREMENTS

<p>C. Identify type of use (single, multi, or hi-low unit; adult or children's height).</p> <p>D. Prior to back check, PD must field verify and indicate on plans compliance status with current standards of drinking fountains serving the areas of construction. Fully compliant drinking fountains should be identified as "accessible". Identified barriers that do not comply with current standards must be removed under this application or PD must file for unreasonable hardship.</p>	<p>CBC 1134B.2.1, CBSC, Part 1, 4-316(e) & CBC 202</p>	<p>Existing buildings Designation of Responsibilities</p> <p>Unreasonable hardship</p>
<p>4. Location of all public telephones.</p> <p>A. Identify all public telephones that are part of the project.</p> <p>B. Identify all existing public telephones and provide DSA application numbers for existing public telephones that were previously upgraded.</p> <p>C. Prior to back check, PD must field verify and indicate on plans compliance status with current standards of public telephones serving the areas of construction. Fully compliant public telephones should be identified as "accessible". Identified barriers that do not comply with current standards must be removed under this application or PD must file for unreasonable hardship.</p>	<p>CBC 1117B.2 & CBSC Part 1 4-317(b)</p>	<p>Telephones Plans</p> <p>Existing buildings Designation of Responsibilities</p> <p>Unreasonable hardship</p>
<p>5. Location of all ramps.</p> <p>A. Identify type of ramp (exterior, interior, covered ramp; curb ramp, built-up curb ramp).</p> <p>B. Identify all ramps that are part of the project and provide DSA application number for all ramps that were previously upgraded.</p> <p>C. Identify all existing ramps and indicate length, width, landings and slope.</p> <p>D. Indicate any slopes in the accessible route of travel that exceed 1:20 (5%) with an arrow, starting at the top of the ramp run and ending at the bottom of the ramp run.</p> <p>E. Prior to back check, PD must field verify and indicate on plans compliance status with current standards of all ramps serving the areas of construction. Fully compliant ramps should be identified as "accessible". Identified barriers that do not comply with current standards must be removed under this application or PD must file for unreasonable hardship.</p>	<p>CBC 1127B.5, 1133B.5 & CBSC Part 1 4-317(b)</p>	<p>Curb Ramps Ramps Plans</p> <p>Existing buildings Designation of Responsibilities</p> <p>Unreasonable hardship</p>
<p>6. Location of all stairs.</p> <p>A. Identify type of stairs (exterior, interior, covered stairs).</p> <p>B. Identify all stairs that are part of the project.</p> <p>C. Identify all existing stairs and provide DSA application numbers for all stairs that were previously upgraded.</p> <p>D. Indicate stairs or steps with arrow and label with direction. Specify details where applicable.</p>	<p>CBC 1133B.4 & CBSC Part 1 4-317(b)</p>	<p>Stairways Plans</p>

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings/ Comments / Notes /
& Examples

Check List 2. SITE REQUIREMENTS

<p>7. Location of all elevators and lifts.</p> <p>A. Identify type and provide DSA application number for all elevators or lifts that were previously upgraded.</p> <p>B. Identify all elevators or lifts that are part of the project.</p> <p>C. Prior to back check, PD must field verify and indicate on plans compliance status with current standards of elevators and lifts serving the areas of construction. Fully compliant elevators and lifts should be identified as "accessible". Identified barriers that do not comply with current standards must be removed under this application or PD must file for unreasonable hardship.</p>	<p>CBC 1116B & CBSC Part 1 4-317(b)</p> <p>CBC 1134B.2.1, CBSC, Part 1, 4-316(e) & CBC 202</p>	<p>Elevators and special access lifts Plans</p> <p>Existing buildings Designation of Responsibilities</p> <p>Unreasonable hardship</p>
<p>2.5 Clearly delineate all accessible paths of travel by a dashed or dotted line (---) on site plans. See Checklist 3 for additional accessible routes of travel requirements.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p>2.6 Provide the following note on site plan:</p> <p>Accessible path of travel as indicated on plan is a barrier-free access route without any abrupt level changes exceeding 1/2" if beveled at 1:2 max slope, or vertical level changes not exceeding 1/4" max, and at least 48" in width. Surface is stable, firm, and slip resistant. Cross slope does not exceed 2% and slope in the direction of travel is less than 5%, unless otherwise indicated. Accessible path of travel shall be maintained free of overhanging obstructions to 80" minimum, and protruding objects greater than 4" projection from wall and above 27" and less than 80". Architect shall verify that there are no barriers in the path of travel.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p>2.7 Coordinate civil drawings with architectural drawings.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p>2.8 Provide relevant spot elevations along the accessible route of travel on site plan. At a minimum, show elevations at:</p> <ol style="list-style-type: none"> 1. Interior finished floor of buildings. 2. Exterior entrance door landings. 3. Along sloped walks in intervals of 100 ft max. 4. Site entry points. 5. Ramp landings (top, bottom, intermediate). 6. Curb ramps (top, bottom). 7. Elevator landings. 8. Accessible parking and passenger drop-off zones. 9. Drinking fountains. 10. Exterior side of counters. 	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p>2.9 Specify all surface materials (existing and new) along and adjacent to the accessible route of travel. Separate different surface areas by lines.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>

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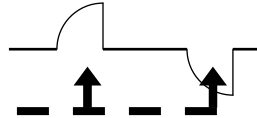
Check List 2. SITE REQUIREMENTS

- 2.10** Identify all level changes between materials which exceed 1/4" vertical or 1/2" (if beveled at 1:2) in height along and adjacent to the accessible route of travel.

CBC 1133B.7.4 &
CBSC Part 1
4-317(b)

Changes in level
Plans

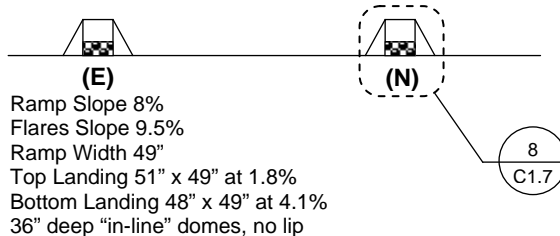
- 2.11** Indicate all ground floor entries/exits that are required to be accessible.



CBSC Part 1
4-317(b)

Plans

- 2.12** Indicate all existing and proposed curb cuts or curb ramps that are in the accessible route of travel. If new, specify details. If existing, indicate conditions (slope, width, landings) to show compliance status. Below are two acceptable examples.



CBSC Part 1
4-317(b) &
CBC 1127B.5

Plans
Curb ramps

- 2.13** Indicate warning curbs and tactile/visual indicators and specify detail.

CBC 1133B.8

Hazards

- 2.14** Where gates are within the accessible route of travel, indicate how gate will be used: Specify lever hardware and smooth surface at bottom 10" of gate (e.g. kick plate).

CBC 1133B.1.1.1.4

Gates

1. If gate is used as exit only, it must comply with exit door requirements (panic hardware and exit signs may be required to coordinate with Fire & Life Safety).

CBC 1008.2

Gates

2. In existing facilities, if an existing gate is used as entrance and exit, it must comply with exit door and general door requirements (panic hardware and exit signs may be required to coordinate with Fire & Life Safety). Specify door schedule number and detail (landings, hardware, kick-plate, strike edge clearance, clear opening).

CBC 1133B.1.1.1.4 &
CBC 1008.2

Gates
Gates

- 2.15** Indicate locations of all exterior directional signs and specify detail.

CBC 1127B.3

Exterior routes of travel - Signs

- 2.16** Provide enlarged plan of required element or area containing site requirement(s) in 1/4" scale.

CBSC Part 1
4-317(b)

Plans

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
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Headings / Comments / Notes
& Examples

Check List 3. ACCESSIBLE ROUTE OF TRAVEL

3.1	For additional scoping requirements and exceptions see also applicable DSA-AC Checklist 1 and Checklist 2 .		
3.2	The accessible route of travel must, to the maximum extent feasible, coincide with the route for the general public.	CBC 1114B.1.2	Accessible route of travel
3.3	Indicate the accessible route of travel (dashed or dotted line) from and to the following areas (if necessary, modify scoping of the project accordingly and indicate clearly on drawings how this requirement is met):	CBSC Part 1 4-317(b)	Plans
1.	From public transportation stops and cross walks in the public rights-of-way serving the area adjacent to a site entry point.	CBC 202 & CA Streets and Highways Code §5610	Definitions – Path of Travel For code, see: www.leginfo.ca.gov <u>NOTE:</u> The PD must clearly demonstrate and document an effort in requesting that the entity having authority (or control) over the public right-of-way (such as a city or a county) provide the necessary improvements / alterations needed to comply with accessibility. If such request is denied by the entity having authority (or control) over the public right-of-way, that denial must be documented and entered into the DSA project file.
2.	From all appropriate site entry points that serve pedestrians (e.g., public transportation stops, cross walks, etc.) to the area of new construction or alteration, starting at the property line.		
3.	From accessible parking serving the area to the area of new construction or alteration.		
4.	From passenger drop-off and loading zones to the area of new construction or alteration.		
5.	From visitor arrival or sign-in points to the area of new construction or alteration.		
6.	From accessible restrooms serving the area to the area of new construction or alteration.		
7.	From drinking fountains serving the area to the area of new construction or alteration.		
8.	From public telephones serving the area to the area of new construction or alteration.		
9.	From and to elevators serving the site's accessible route.		
10.	From exterior activity areas serving the area (e.g., plazas, playgrounds, vista points, etc.) to the area of new construction or alteration.		
11.	From all other essential function areas serving the area to the area of new construction or alteration.		
12.	Between all areas of new construction or alteration.		
3.4	Indicate width of accessible route of travel at this location:		
1.	48" min for walks and sidewalks. See Checklist 6 for exceptions and additional requirements.	CBC 1133B.7.1 CBC 1005	Continuous surface Egress width
2.	48" min for curb ramps. See Checklist 5 for exceptions and additional requirements.	CBC 1127B.5 #2	Width of curb ramps
3.	48" min for ramps, or 60" min if serving an occupancy load of ≥300 and the entrance ramp is the only exit discharge path from a building. See Checklist 7 for exceptions and additional requirements.	CBC 1133B.5.2	Entrance and special occupancy
4.	36" min for corridors, hallways, and exterior exit balconies if serving an occupancy load of <10, or 44" min if serving	CBC 1133B.3.1 & CBC 1133B.3.2	Corridor and hallway widths Corridors and hallways over 200'

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

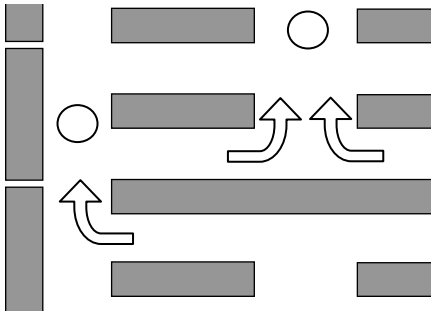
Justification /
Reference
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& Examples

Check List 3. ACCESSIBLE ROUTE OF TRAVEL

an occupancy load of 10 or more. See Checklist 9 for exceptions and additional requirements.

5. For corridors, hallways, and exterior exit balconies exceeding 200' in length, provide 60" min clear width or 60"x60" passing space at reasonable intervals of 200' or less. A T-shaped intersection of two 36" min width corridors is an acceptable alternate passing space. See Checklist 9 for exceptions and additional requirements.
6. 44" min within a multi-accommodation toilet room to and from accessible compartments.
7. 36" min within a single-accommodation toilet room except at doors. If a person in a wheelchair must make a turn around an obstruction, the min clear width of the accessible route shall be as shown in CBC Figure 11B-5E.
8. 36" min at aisles serving one side only.
9. 44" min at aisles serving both sides.



turns around an obstruction, see 3.6.

CBC 1133B.3.2

CBC 1115B.3.1 #4.5

CBC 1115B.3.2 #4

CBC 1133B.6.2

CBC 1133B.6.2

Multiple accommodation toilet facilities

Single-accommodation toilet facilities

Aisles - Width

Aisles - Width

NOTE:

Chapter 10 may require 44" min aisle width in B and M occupancies, and in assembly occupancies without fixed seating, where seats, tables, furnishings, displays, and similar fixtures or equipment are located on both sides of the aisle.

- 3.5 Doors (in any position) shall not reduce the required width of a corridor or hallway more than 50%.

CBC 1005.2

Egress Width – Door Encroachment

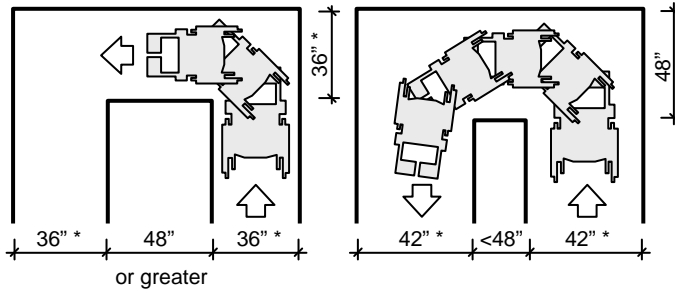
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Headings / Comments / Notes
& Examples

Check List 3. ACCESSIBLE ROUTE OF TRAVEL

- 3.6** Provide and indicate the following dimensions when the accessible route changes direction or turns around an obstruction:
- 90 degree turns can be made from a 36" wide passageway into another 36" passageway if the depth of the obstruction is 48" or greater on the inside dimensions of the turn.
 - U-turns around an obstruction less than 48" wide can be made if the passageway width is 42" min and the base of the U-turn space is 48" min wide.



EXCEPTIONS: At doors.

- 3.7** Provide and indicate the following properties for the accessible route of travel:
- Accessible route surface must be slip-resistant, stable, and firm.
 - On surfaces with slopes up to 6%, provide equivalent of medium salted finish.
 - On surfaces with slopes equal to or greater than 6%, provide slip-resistant finish.
 - Outdoor stairs, ramps and landings shall be designed so water will not accumulate on their surfaces.

- 3.8** All entrances and ground floor exits must be accessible.

EXCEPTIONS:

- Exterior ground-floor exits serving smoke-proof enclosures, stairwells and exit doors servicing stairs only.
- Exits in excess of those required by Chapter 10, and which are more than 24 inches above grade. Such doors shall have a visual sign which indicates, by means of an arrow and/or text, the location of the nearest accessible exit. The warning sign shall comply with Section 1117B.5 and be mounted at a location so steps do not need to be retraced.
- In existing buildings where the enforcing agency determines that compliance with the building standards of this section would create an unreasonable hardship, an exception shall be granted when equivalent facilitation is provided. Equivalent facilitation would require at least one

ADA Stds. 4.3.3

Accessible Route – Width

ADA Stds. 4.3.3

Accessible Route – Width

ADA Stds. 4.3.3

Accessible Route – Width

***NOTE:**

If occupancy load is 10 or more, the min width of all * dimensions must be increased to 44" min.

CBC 1133B.7.1
CBC 1124B.1

Continuous surface
Ground and floor surfaces

CBC 1133B.7.1.1

Slopes less than 6 percent

CBC 1133B.7.1.2

Slopes 6 percent or greater

CBC 1133B.4.5.1
CBC 1133B.5.8

Treads
Outdoor ramps

CBC 1133B.1.1.1.1

Entrances

NOTE:

Jurisdictional findings and determinations are subject to an internal DSA appeals process.

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 3. ACCESSIBLE ROUTE OF TRAVEL

entrance to be accessible to and usable by persons with disabilities.

- d. In existing buildings when legal or physical constraints will not allow compliance or equivalent facilitation without creating an unreasonable hardship.

- 3.9** Indicate on plans all entrances and ground floor exits that are required to be accessible (either by extending the accessible route of travel line into the building or by a symbol (e.g., ►). Provide strike edge and landing dimensions for each entrance on plan or provide the following general note on plan:
- All exterior entrances and exits identified with a triangular symbol (►) on this plan are accessible and comply with CBC 1133B.1.1, including:
 - A. 32" clear opening
 - B. Required strike edge clearance at pull side of door (24" for front and latch, 36" for hinge approach)
 - C. Level landings (2% max)
 - D. Accessible threshold, hardware, closer, kick-plate
 - E. ISA on exterior side of entrance
 - F. Tactile exit signage on interior side of exit door, as required
 - G. Outline of canopy, awning, or roof
- 3.10** Vertical change in the accessible route cannot exceed 1/4". Provide curb ramp, ramp, elevator, platform lift, or remove element at this location, or provide equally convenient, alternative accessible route.
- 3.11** Level change in the accessible route between 1/4" and 1/2" must be beveled at 1:2 max slope. Changes in level greater than 1/2" shall be accomplished by means of a curb ramp, ramp, elevator, platform lift, or provide equally convenient, alternative accessible route.
- 3.12** If level change between pedestrian area and adjacent surface exceeds 30" in height, specify and provide detail for guardrail (42" AFF).

CBSC Part 1
4-317(b)

CBC 1133B.1.1.1.1

CBC 1133B.2.4.2

CBC 1133B.2.4.2

CBC 1133B.2.4.1
CBC 1133B.2.5.1
CBC 1133B.2.5.2
CBC 1133B.2.6

CBC 1117B.5.8.1.2

CBC 1011.3

CBSC Part 1
4-317(b)

CBC 1124B.2

CBC 1124B.2 &
CBC 1133B.7.4

CBC 1013.1

Plans

Entrances

Maneuvering clearances at doors

Maneuvering clearances at doors

Thresholds
Door closer
Hardware
Smooth surface

Entrance signs

Tactile exit signs

Plans

Changes in level

Changes in level
Changes in level

NOTE:
Thresholds over 1/2" must be mitigated by a ramp/sloped walk.

Guards – Where required

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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& Examples

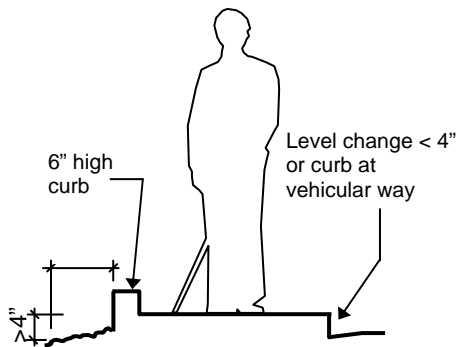
Check List 3. ACCESSIBLE ROUTE OF TRAVEL

- 3.13** Indicate condition of level change between pedestrian area and adjacent surface. If drop exceeds 1/4" in height, specify and provide one of the following details:

1. Abrupt vertical drops between 1/4" and 4".
2. 6" high warning curb if vertical drop exceeds 4".

EXCEPTIONS:

- a. Between a walk or sidewalk and a street or driveway.
- b. If adjacent grade is higher than pedestrian way.
- c. If cane-detectable handrails, guardrails, or wheel-guides are provided.



CBSC Part 1
4-317(b)

Plans

CBC 1133B.8.1

Warning curbs

- 3.14** Identify location of all gratings within the accessible route and provide cut sheet of gratings for back check review.

Walks, sidewalks and pedestrian ways shall be free of gratings whenever possible. Grate openings cannot exceed 1/2" in the direction of travel. Gratings with elongated opening must be placed with the long dimension perpendicular to the dominant direction of traffic flow.

EXCEPTIONS:

- a. In alteration projects, when DSA finds unreasonable hardship and when equivalent facilitation is provided.
- b. Where, due to legal or physical constraints, the site of the project will not allow compliance with this requirement or equivalent facilitation without creating an unreasonable hardship.

CBSC Part 1
4-317(b)

Plans

CBC 1124B.4 &
CBC 1133B.7.2

Gratings
Gratings

NOTE:

Jurisdictional findings and determinations for exception (b) are subject to an internal DSA appeals process.

- 3.15** Wall mounted objects with the bottom edge between 27" and 80" AFF shall protrude no more than 4" into the pedestrian circulation area.

CBC 1133B.8.6.1

Protruding objects - General

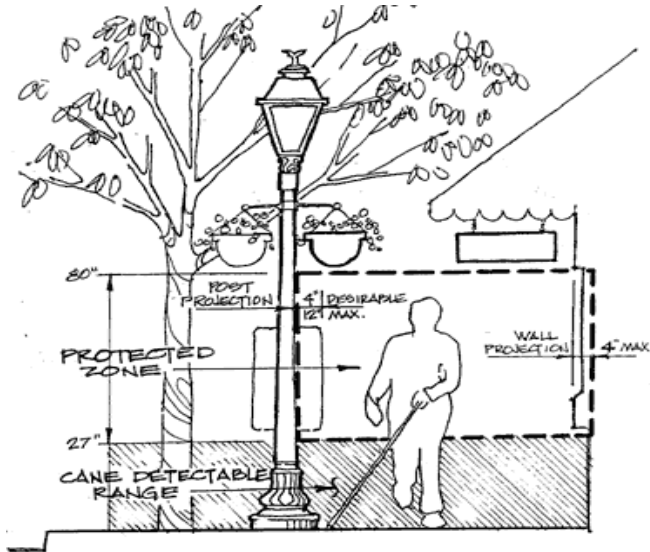
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Headings / Comments / Notes
& Examples

Check List 3. ACCESSIBLE ROUTE OF TRAVEL

- 3.16** Post or pylon-mounted objects with a bottom edge between 27" and 80" above the ground may overhang no more than 12".



CBC 1133B.8.6.1

Protruding objects - General

- 3.17** Handrail extension shall not project into the accessible route of travel or create a hazard.

CBC 1133B.8.6.1
CBC 1133B.4.2.2
CBC 1133B.5.5.1.1

Protruding objects - General
Stair Handrails
Ramp Handrails

- 3.18** Accessible route of travel at parking stalls shall not compel persons with disabilities to wheel or walk behind parked vehicles other than their own.

CBC 1129B.3 #3

Arrangement of parking spaces

- 3.19** For large sites and complicated accessible routes of travel, provide directional signs, indicating the direction to accessible parking, buildings, or outside facilities. Signs should be designed to facilitate reading by persons with impaired vision. Background contrast and character proportion is critical.

CBC 1117B.5
CBC 1127B.3

Signs and identification
Signs

- 3.20** Provide detectable warnings at transit boarding platforms.

CBC 1121B.3.1 #8(a)

Detectable warnings at transit
boarding platforms

- 3.21** Provide detectable directional texture (truncated bars) at transit boarding platforms.

CBC 1121B.3.1 #8(b)
CBC Fig. 11B-23B

Detectable directional texture at
boarding platforms
Directional bars

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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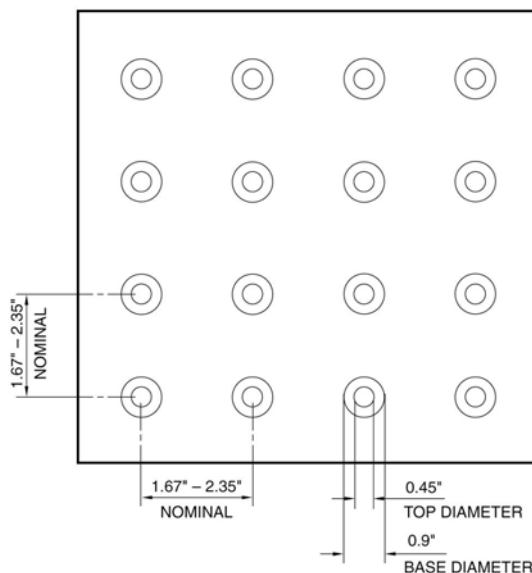
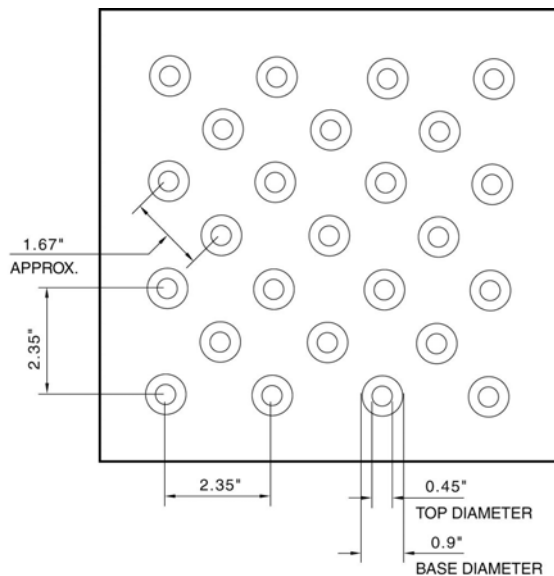
Headings / Comments / Notes
& Examples

Check List 3. ACCESSIBLE ROUTE OF TRAVEL

- 3.22** Provide a continuous band of detectable warning surface (36" deep) where a walk crosses or adjoins a vehicular way, and the walking surface is not separated from the hazardous vehicular way by curbs, railings or other elements.

CBC 1133B.8.5

Detectable warnings at hazardous vehicular areas



- 3.23** If existing building elevators are being altered in order to be made accessible, no modifications are required to stairs that connect levels served by the accessible elevator.

CBC 1134B.2.1 #3.3
ADA Stds. 4.1.6(1)(d)

Accessibility for existing buildings -
General
Accessible buildings - Alterations

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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Heading / Comments / Notes
& Examples

Check List 4. ACCESSIBLE PARKING, PASSENGER LOADING, AND BUS STOPS

- 4.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

ACCESSIBLE PARKING

- 4.2** Indicate location and layout of all accessible parking on site plan and connect dashed accessible route of travel to the access aisle.
- 4.3** Provide separate parking ratio for each parking lot on this site. Indicate name of lot, total number of stalls, van accessible stalls, and regular accessible stalls.
- 4.4** Provide enlarged plan in 1/4" scale representing the actual layout, including associated sidewalks, curb ramps, curb cuts, and location of water drains, for all accessible parking under this contract.
- 4.5** Provide the required number of accessible parking spaces for each lot (calculate each lot separately):

Total Parking in Lot	Required Accessible	Including Van Accessible
1-25 spaces	1 space(s)	1 space(s)
26-50	2	1
51-75	3	1
76-100	4	1
101-150	5	1
151-200	6	1
201-300	7	1
301-400	8	1
401-500	9	2
501-1,000	Two % of total	(1 in 8)
1,001 and over	Twenty plus one for each 100, or fraction thereof over 1,001	(1 in 8)

EXCEPTIONS:

- a. 10% of the total number of parking spaces at outpatient units and facilities shall be accessible.
- b. 20% of the total number of parking spaces at units and facilities that specialize in treatment or services for persons with mobility impairments shall be accessible.
- 4.6** One (1) of every eight (8) accessible spaces, but not less than one, is required to be van accessible.
- 4.7** Where provided, electrical vehicle charging stations shall be accessible as required.

CBC 1129B

CBSC Part 1
4-317(b)

CBSC Part 1
4-317(b)

CBSC Part 1
4-317(b)

CBC Table 11B-6

CBC 1129B.2 #1

CBC 1129B.2 #2

CBC 1129B.3 #2

DSA Policy 97-03

Accessible parking required

Plans

Plans

Plans

Spaces required

NOTE:

One (1) in every eight (8) accessible spaces, but not less than one (1), shall be van accessible. Van accessible parking spaces are "accessible spaces" and are not to be considered "in addition" to the number of accessible spaces required.

Medical care outpatient facilities –
Outpatient units and facilities

Units and facilities that specialize
in treatment or services for persons
with mobility impairments

Parking space size - Van space(s)

Interim disabled access guidelines
for electrical vehicle charging
stations

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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& Examples

Check List 4. ACCESSIBLE PARKING, PASSENGER LOADING, AND BUS STOPS

4.8	Consider relocating accessible parking if necessary. Accessible parking spaces serving a particular building must be located on the shortest accessible route of travel from adjacent parking to an accessible entrance. Note that required stalls need not be provided in the particular lot. They may be provided in a different location if equivalent or greater accessibility is ensured, in terms of distance from an accessible entrance, user cost and convenience.	CBC 1129B.1	Accessible parking required – General
4.9	Where parking lots serve accessible entrances of several buildings or different areas on site, accessible parking spaces must be dispersed and located closest to the accessible route of travel.	CBC 1129B.1	Accessible parking required – General
4.10	Rearrange parking layout so that persons with disabilities are not compelled to wheel or walk behind parked cars other than their own.	CBC 1129B.3 #3	Arrangement of parking spaces
4.11	Typical parking detail(s) must match actual parking layout.	CBSC Part 1 4-317(b)	Plans
4.12	Accessible parking stalls and access aisles - provide and indicate the following dimensions and elements on plans:	CBC 1129B.3	Parking space size
1.	8' wide access aisles on the passenger side of each van accessible parking stall.	CBC 1129B.3 #2	Van space(s)
2.	5' wide access aisles on the passenger side of each accessible parking stall. Two adjacent accessible parking stalls may share a common access aisle.	CBC 1129B.3 #1	Dimensions
3.	18' long parking stalls and access aisles.	CBC 1129B.3 #1	Dimensions
4.	2% max slope in any direction at stalls and access aisles.	CBC 1129B.3 #4	Slope of parking space
5.	A 36" wide and 36" high International Symbol of Accessibility on pavement at rear of stall.	CBC 1129B.4	Identification of parking spaces for off-street parking facilities
6.	Post or wall mounted accessible parking stall signs:	CBC 1129B.4 CBC 1133B.8.6.3 ADA Stds. 4.6.4	Identification of parking spaces for off-street parking facilities Signage
A.	Signs must be located at the interior end of the accessible stall. Signs shall be located so they cannot be obscured by a vehicle parked in the space.		
B.	Signs must be reflectorized, 70 square inch min, with a white ISA on blue background.	CBC 1129B.4	Identification of parking spaces for off-street parking facilities
C.	Van stall signs must have additional language stating "Van Accessible" below the ISA.	CBC 1129B.4	Identification of parking spaces for off-street parking facilities
7.	"Tow-away" signs:	CBC 1129B.4 CBC 1133B.8.6.3	Identification of parking spaces for off-street parking facilities
A.	Post in a conspicuous place at each entrance to an off-street parking lot, or immediately adjacent to and visible from each designated stall.		
B.	Sign must be 17" x 22" min, with letters 1" high min.		
C.	Sign must state: "Unauthorized vehicles parked in designated accessible spaces not displaying distinguishing placards or license plates issued for persons with disabilities may be towed away at owner's expense. Towed vehicles may be reclaimed at _____ or by telephoning _____."		

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Heading / Comments / Notes
& Examples

Check List 4. ACCESSIBLE PARKING, PASSENGER LOADING, AND BUS STOPS

D. PD to provide contact info on plans.

8. A bumper or curb shall be provided and located to prevent encroachment of cars over the required width of adjacent walkways.

CBC 1129B.3 #3
ADA Stds. 4.6.3

Walks and sidewalks - Continuous surface

9. Provide the words "NO PARKING" in each access aisle, painted in 12" high letters.

CBC 1129B.3 #1 & 2

Dimensions and Van space(s)

4.13 Curb ramps with slopes greater than 2% cannot be located within the 18' long access aisle. Provide parallel or perpendicular curb ramp instead of built-up curb ramp or redesign parking layout (see Checklist 4, Fig. 4-A, 4-B & 4-C).

CBC 1129B.3 #3
ADA Stds. 4.6.3

Arrangement of parking space
Parking spaces
See figures at the end of this Checklist

4.14 Accessible route of travel to parking - provide and indicate the following dimensions and elements on plans:

CBSC Part 1
4-317(b)

Plans

1. The access aisle must either be level with the adjacent accessible route or have a curb ramp. Provide spot elevations.

CBC 1129B.3 #3

Arrangement of parking space

2. Curb ramp opening must be located within the access aisle boundaries, not within the parking space boundaries.

NOTE: Detectable warning surfaces are required on all curb ramps.

3. Top landing at curb ramp must be level and 48" deep min.

CBC 1127B.5 #4

Curb Ramps - Level landing

4. Transitions from ramps to walks, gutters, or streets shall be flush and free of abrupt changes. (No 1/2" lip.)

CBC 1127B.5 #3
ADA Stds. 4.7.2

Curb Ramps - Slope of curb ramp
Curb Ramps - Slope

4.15 Provide and indicate 98" min (8' - 2") vertical clearance at the van accessible parking stalls and at vehicle routes to and from these stalls.

ADA Stds. 4.6.5

Vertical Clearance

4.16 Provide and indicate a reasonable programmatic or architectural solution at parking areas controlled by ticket dispensers which may represent a barrier for persons with disabilities, particular those with reach range limitations. Examples of acceptable solutions include an accessible voice communication system and signage, or providing accessible parking spaces outside the controlled area.

DSA Policy 97-06
28 CFR 35.130(a)

Parking ticket dispensers

PARKING STRUCTURES

CBC 1130B

4.17 Provide and indicate 98" min (8' - 2") vertical clearance at the accessible parking stalls and at vehicle routes to and from these stalls.

CBC 1130B

Parking structures

EXCEPTIONS:

- a. Where DSA determines that compliance with building standards would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided.
- b. In existing buildings where DSA determines that, due to legal or physical constraints, compliance with building standards or equivalent facilitation would create an unreasonable hardship.

NOTE:
Jurisdictional findings and determinations for exception (b) are subject to an internal DSA appeals process.

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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or Code Citation

Heading / Comments / Notes
& Examples

Check List 4. ACCESSIBLE PARKING, PASSENGER LOADING, AND BUS STOPS

4.18	In multi-story parking structures, provide accessible parking stalls on the following levels: 1. All floor levels that have accessible walks or ramps leading to the exterior. 2. All floor levels that have accessible walks (incl. skywalks) or ramps leading to adjacent buildings. 3. All floor levels that have additional benefits or amenities, such as electrical charging stations, better security, scenic views, or other public accommodations such as shops, telephones, smoking areas, long-term parking, etc.	CBC 1129B.1	Accessible parking required – General
4.19	Locate accessible parking closest to elevator, ramp or other accessible entrances.	CBC 1129B.1	Accessible parking required – General
	PASSENGER LOADING ZONES	CBC 1131B	Passenger drop-off and loading zones
4.20	Provision of valet parking does not eliminate any of the requirements for accessible parking (i.e. provide all features to allow self parking).	CBC 1131B.3	Valet parking
4.21	Indicate type, location, and layout of all passenger drop-off and loading zones on site plan.	CBSC Part 1 4-317(b)	Plans
4.22	Where provided, one passenger drop-off and loading zone must be made accessible. Connect dashed accessible route of travel to area.	CBC 1131B.2	Passenger loading zones
4.23	Provide enlarged plan in 1/4" scale representing the actual layout, including associated sidewalks and curb ramps, for all accessible passenger loading zones. Provide and indicate:	CBSC Part 1 4-317(b)	Plans
	1. 5' x 20' access aisle adjacent and parallel to the vehicle pull-up space.	CBC 1131B.2 #1	Passenger loading zones – General
	2. Level access aisle and vehicle pull-up space (2% max in any direction).	CBC 1131B.2 #1	Passenger loading zones – General
	3. Indicate a curb ramp if there is a curb between the access aisle and the vehicle pull-up space, or if there is a curb between the access aisle and the accessible route.	CBC 1131B.2 #1	Passenger loading zones - General
	4. Vertical clearance of 114" min along at least one vehicle access route to such zones (from site entrances & exits).	CBC 1131B.2 #2	Passenger loading zones – Vertical Clearance
	5. Identifying signage with the ISA and stating "Passenger Loading Zone Only", in white on a dark blue background.	CBC 1131B.2 #1	Accessible passenger loading zones
	6. Detectable warning surface at blended transitions and curb ramps.	CBC 1133B.8.5 ADA Stds. 4.29.5, IRs 11B-2, 11B-3 11B-4	Detectable Warnings at Hazardous Vehicular Areas
4.24	Where valet parking is provided, provide accessible passenger loading zone.	CBC 1131B.3	Valet parking

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Reference
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& Examples

Check List 4. ACCESSIBLE PARKING, PASSENGER LOADING, AND BUS STOPS

BUS STOPS

- | | | | |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------|
| 4.25 | Where provided, bus stop(s) and pad(s) shall be accessible. | CBC 1121B.2 | Bus stops and terminals |
| 4.26 | Indicate location and layout of all accessible bus stops on site plan and connect dashed accessible route to bus stop pad. | CBC 1121B.2 | Bus stops and terminals |
| 4.27 | Provide and indicate an 8' long by 5' wide bus stop pad (8' measured perpendicular to curb and 5' measured parallel to curb). | CBSC Part 1 4-317(b) | Plans |
| 4.28 | In new construction: provide a square curb surface between the pad and road or other detectable warning (provide detail). | CBC 1121B.2.1 | Bus stops and terminals – New construction |
| 4.29 | The slope of the pad perpendicular to the roadway must not exceed 2%. | CBC 1121B.2.1 | Bus stops and terminals – New construction |
| 4.30 | The slope of the pad parallel to the roadway must be the same as the roadway. | CBC 1121B.2.1 | Bus stops and terminals – New construction |
| 4.31 | Provide 30" x 48" clear floor wheelchair space completely within bus stop shelter and connect space to bus stop pad and accessible route of travel. | CBC 1121B.2.1 | Bus stops and terminals – New construction |

ON STREET PARKING

- | | | | |
|-------------|-----------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.32 | Additional information for on-street parking, see also Caltrans Standard Plans A90A and A90B. | Caltrans Std Plans | For Standard Plans, see:
http://www.dot.ca.gov/hq/esc/oe/project_plans/HTM/06_plans_disclaim_US.htm |
|-------------|-----------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

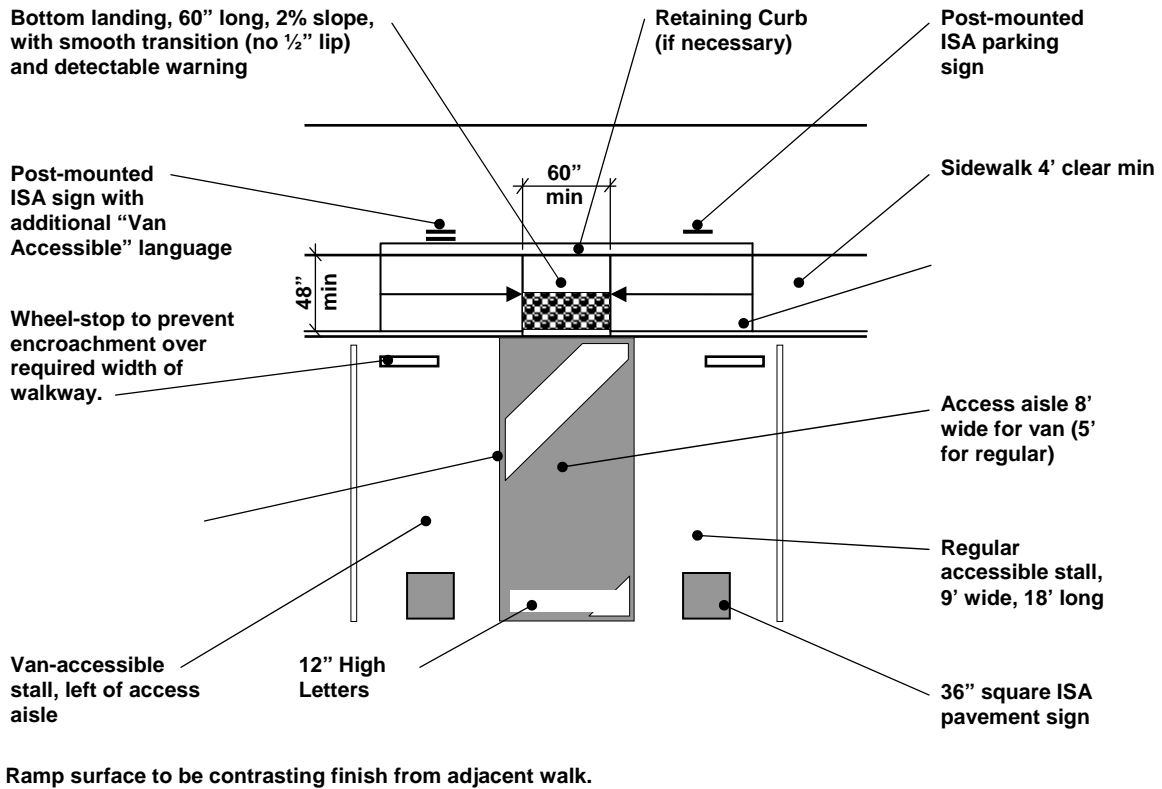


Fig 4-A. Depressed Curb Ramp at Accessible Parking (Typical)

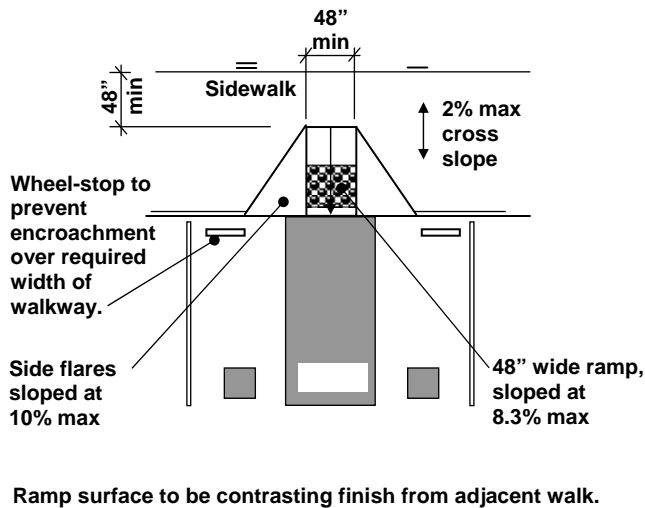
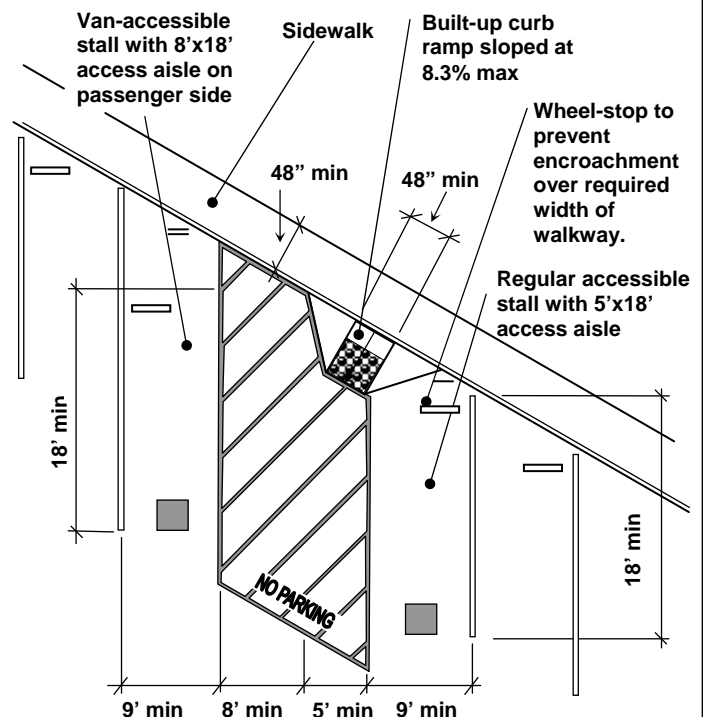


Fig 4-B. Curb Ramp at Accessible Parking



Ramp surface to be contrasting finish from adjacent walk.

Note that neither built-up curb ramp, nor sidewalk protrude into the required, perpendicular 18'x17' van space, or the 18'x14' regular space.

Fig 4-C. Built-up Curb Ramp at Accessible Angled Parking

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Reference
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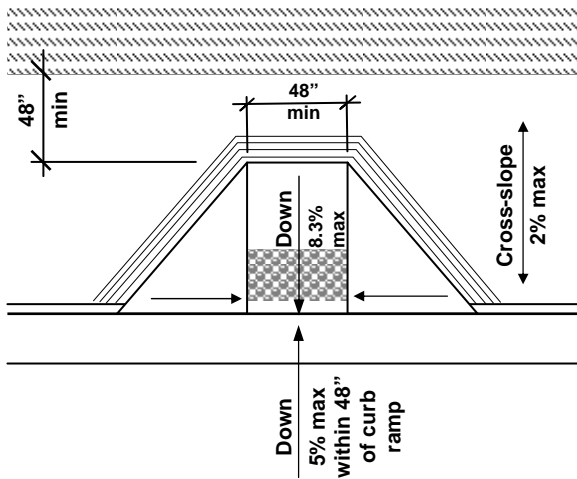
Headings / Comments / Notes
& Examples

Check List 5. CURB RAMPS AND PEDESTRIAN CROSSINGS

- 5.1 For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

CURB RAMPS

- 5.2 Indicate location and layout of all curb ramps on site plan.
- 5.3 Typical curb ramp details must match actual layout. Provide dimensioned detail in 1/4" scale representing the actual layout, including associated sidewalks, for all accessible curb ramps under this contract.
- 5.4 Curb ramps cannot project into vehicular traffic lanes or into the 18' long access aisle of accessible parking spaces.
- 5.5 Indicate 48" min width exclusive of side flares.
- 5.6 Provide spot elevations at top and bottom of curb ramp and at relevant spots on sidewalk.



Sample Curb Ramp

- 5.7 Indicate curb ramp slope based on available length and elevation change. Use the least possible slope but never greater than the 8.3% max.
- 5.8 Indicate side flare slope (10% max, or 8.3% max if top landing is less than 48").
- 5.9 Indicate counter slope of adjoining gutters or road surface at the bottom of and immediately adjacent to the curb ramp (5% max for 48" in the direction of travel).

CBC 1127B.5

CBSC Part 1
4-317(b)

CBSC Part 1
4-317(b)

CBC 1127B.5 #1
CBC 1129B.3 #3

ADA Stds 4.7.6

CBC 1127B.5 #2

CBSC Part 1
4-317(b)

Plans

Plans

Curb ramps - General
Parking space size - Arrangement
of parking space
Built-up curb ramps

Width of curb ramps

Plans

DEFINITIONS:

CURB RAMP is a sloping pedestrian way, intended for pedestrian traffic, which provides access from a walk or sidewalk to a surface located above or below an adjacent curb face.

CURB CUT is an interruption of a curb at a pedestrian way, which separates surfaces that are substantially at the same elevation.

CBC 1127B.5 #3 &
ADA Stds 4.7.2

CBC 1127B.5 #3
CBC 1127B.5 #4

CBC 1127B.5 #3
ADA Stds 4.7.2

Slope of curb ramps
Curb ramps - slope

Slope of curb ramps
Level landing

Slope of curb ramps
Slope

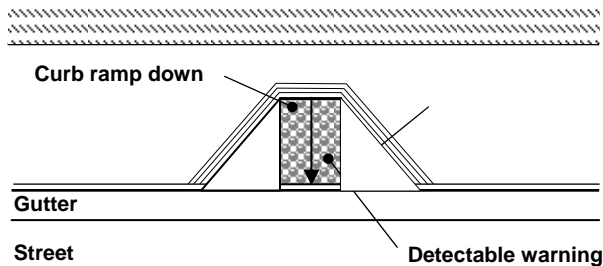
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& Examples

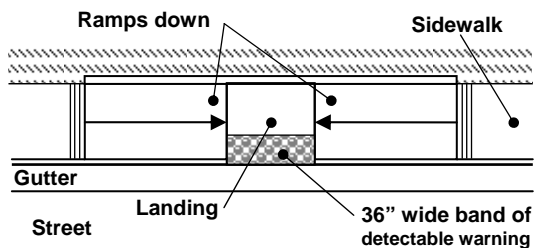
Check List 5. CURB RAMPS AND PEDESTRIAN CROSSINGS

- 5.10** Provide and indicate detectable warning surface (i.e. truncated domes) at perpendicular curb ramp. Domes must extend the full width and length of the curb ramp, excluding the flares.

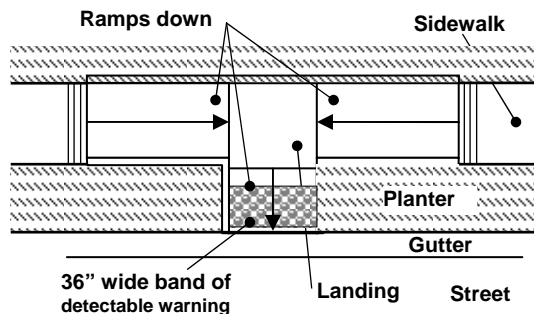


Perpendicular Curb Ramp

- 5.11** Provide and indicate detectable warning surface (i.e. truncated domes) at parallel or combination curb ramp. Provide 36" wide band of detectable warning between pedestrian area and vehicular way.



Parallel Curb Ramp



Combination Curb Ramp

CBC 1127B.5 #7,
DSA-IR 11B-3,

DSA-IR 11B-4 &
ADA Stds 4.7.7

Detectable warnings
Detectable warnings at curb
ramps
Detectable warnings
Detectable warnings

NOTE:

DSA may approve a 36" long warning surface as equivalent to full width and length in accordance with IR 11B-4.

NOTE:

As of July 26, 2001, ADA Stds requires the provision of truncated domes on all curb ramps, regardless of slope.

CBC 1133B.8.5 &
ADA Stds 4.29.5

Detectable warnings at hazardous
vehicular areas

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 5. CURB RAMPS AND PEDESTRIAN CROSSINGS

5.12 Indicate the following for detectable warning surfaces

1. Visual contrast with adjoining surfaces, either a light-on-dark or dark-on-light contrast.
2. Staggered domes (diagonal grid) spaced 2.35" on center, or in-line domes (square grid) spaced 1.67" to 2.35" on center.

CBC 1127B.5 #7

Detectable warnings

CBC 1127B.5 #7
DSA-IR 11B-4

Detectable warnings
Detectable warnings

5.13 (Removed and reserved.)

5.14 Provide dimension on plan indicating that the 48" landing at the bottom of the curb ramp is fully contained within marked crossings.

CBC 1127B.5 #9,
CBC Fig. 11B-22(c) &
(d),
ADA Stds 4.7.9 &
ADA Stds Fig. 15

Diagonal curb ramps
Curb ramps at marked crossings

Location at marked crossings
Curb ramps at marked crossings

5.15 Design to provide 48" min deep level top landing or slope flares at 8.3% max.

CBC 1127B.5 #4

Level landing

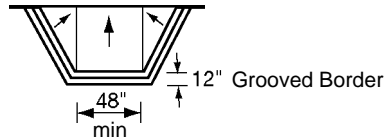
NOTE:

The length of a curb ramp (sloped 8.3%) at a regular sidewalk with 2% cross slope and 6" curb is 95".

5.16 Provide 12" wide grooved border around upper edges of curb ramp and flares to indicate transition from sidewalk to curb ramp.

CBC 1127B.5 #6

Border



Perpendicular Curb Ramp

5.17 Provide 12" wide grooved border as part of level walkway, not as part of sloped curb ramp and flares.

CBC 1127B.5 #6

Border

5.18 Indicate how finish of curb ramp and flared surfaces contrast with that of adjacent sidewalk.

CBC 1127B.5 #5

Finish

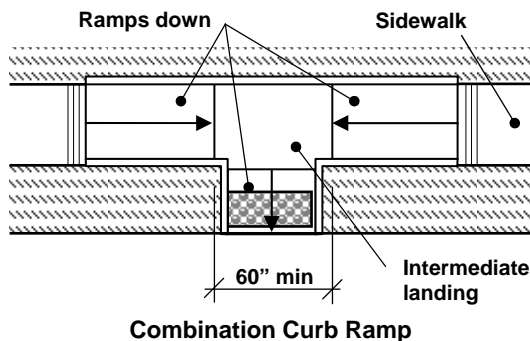
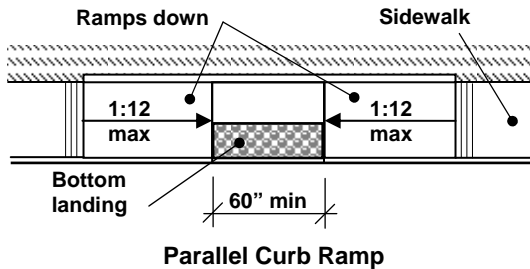
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Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 5. CURB RAMPS AND PEDESTRIAN CROSSINGS

- 5.19** Provide and indicate 60" min wide bottom or intermediate landing at depressed or combination curb ramp.



CBC 1133B.5.4.7 &
ADA Stds 4.8.4(2)

Other intermediate landings
Landings

PEDESTRIAN CROSSINGS

- 5.20** At diagonal curb ramps, provide dimension on plan, indicating a 24" straight curb segment, perpendicular to the direction of the cross walks, on each side of the curb ramp.
- 5.21** At diagonal curb ramps, there must be a 24" straight curb segment within the marked crossing.
- 5.22** Provide level cut through pedestrian island (median), or provide a crowned cut through sloped at 8.3% max with a 48" min long top landing.

CBC 1127B.5 #9,
CBC Fig. 11B-22 &
ADA Stds 4.7.10

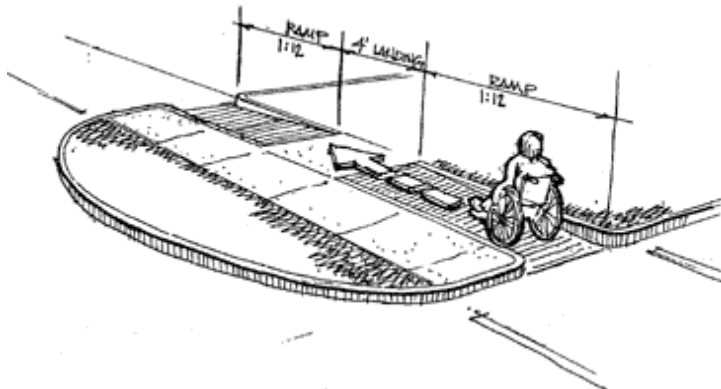
Diagonal curb ramps
Curb ramps at marked crossings
Diagonal curb ramps

CBC 1127B.5 #9

Diagonal curb ramps

ADA Stds 4.7.11 &
ADA Stds Fig. 15
(a) & (b)

Islands
Curb ramps at marked crossings



Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 5. CURB RAMPS AND PEDESTRIAN CROSSINGS

5.23 Provide and indicate a level 30" x 48" min clear space, centered and parallel to the pedestrian signal push button.

CBC 1118B.4 #1

Clear floor or ground space for wheelchairs - Size and approach

5.24 Indicate height of pedestrian signal push button (48" max).

CBC 1117B.5.9

Traffic-control devices

5.25 Provide and indicate the following at the pedestrian signal push button:

1. Activating force must be 5 lbs or less.
2. A textured horizontal yellow band 2" wide and encircling the pole, and a 1" wide dark border band above and below this yellow band.

CBC 1117B.6 #4

CBC 1117B.5.9

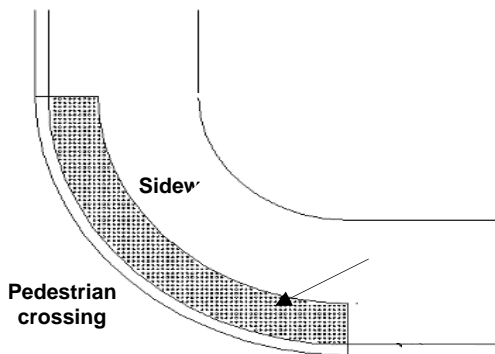
Controls and operating mechanisms - Operation
Traffic-control devices

BLENDED TRANSITIONS

5.26 Where a walk crosses or adjoins a vehicular way, and the walking surfaces are not separated by curbs, railings, or other elements between the pedestrian areas and vehicular areas, the boundary between the areas must be defined by a continuous, yellow, 36" wide detectable warning surface that differs from the adjoining walking surface in resiliency or sound on cane contact.

CBC 1133B.8.5 &
ADA Stds 4.29.5

Detectable warnings at hazardous vehicular areas
Detectable warnings at hazardous vehicular areas



APPLICATION IN THE PUBLIC RIGHTS-OF-WAY

5.27 For acceptable designs for curb ramps, traffic islands, blended transitions, and detectable warnings in the public rights-of-way, see Caltrans Standard Plans A88A and A88B.

Caltrans Std Plans

For Standard Plans, see:
http://www.dot.ca.gov/hq/esc/oe/project_plans/HTM/06_plans_disclaim_US.htm

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 5. CURB RAMPS AND PEDESTRIAN CROSSINGS

PEDESTRIAN OVERPASSES AND UNDERPASSES

- 5.28** Pedestrian ramps on pedestrian grade separations must comply with the requirements for ramps.

EXCEPTIONS:

- a. When the grade differential of the walking surface of a pedestrian grade separation exceeds 14 feet due to required height clearance and grade conditions, and DSA finds that wheelchair accessibility or equivalent facilitation would create an unreasonable hardship, such accessibility need not be provided. However, the requirements in these regulations relating to other types of mobility shall be complied with.
- b. For existing facilities, this section shall not apply where, due to legal or physical constraints, the site of the project will not allow compliance with these regulations or equivalent facilitation without creating an unreasonable hardship.

- 5.29** Provide and indicate level landings at pedestrian over- and underpasses:

1. At intervals not exceeding 30" of vertical rise, if slope is greater than 5%.
2. At least every 400' if a continuous slope is between 2% and 5%.

CBC 1128B

Pedestrian grade separations (overpasses and underpasses)

NOTE:

Jurisdictional findings and determinations for exceptions (a) and (b) are subject to an internal DSA appeals process.

CBC 1133B.5.4.1

Location of landings

CBC 1133B.7.6

Walks with continuous gradients

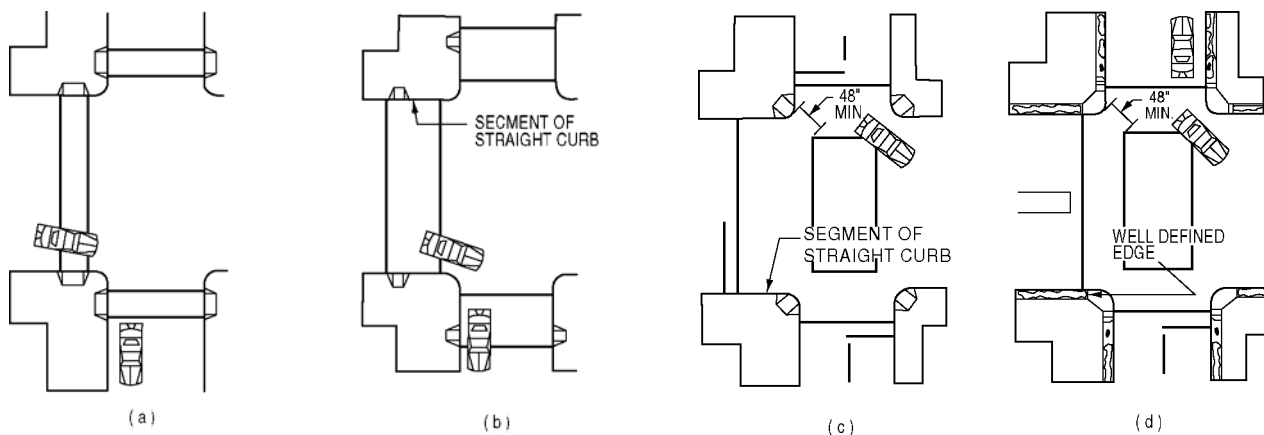


Fig 5-A. Typical Pedestrian Crossing Layouts

Height of Curb Face	1:10 max. Flare Width at Curb	Ramp Run Length (Plan)*	Total Needed Sidewalk Width (incl. 4' Landing)
4" (10.2 cm)	40" (1.02 m)	63" (1.6 m)	111" (2.82 m)
5" (12.7 cm)	50" (1.27 m)	78" (1.98 m)	126" (3.2 m)
6" (15.2 cm)	60" (1.52 m)	95" (2.41 m)	143" (3.63 m)
7" (17.8 cm)	70" (1.78 m)	111" (2.82 m)	159" (4.04 m)
7.5" (19.0 cm)	75" (1.90 m)	118.5" (3.01 m)	166.5" (4.23 m)
8" (20.3 cm)	80" (2.03 m)	126" (3.2 m)	174" (4.42 m)

* For ramp sloping 8.3% on sidewalk with 2% cross slope

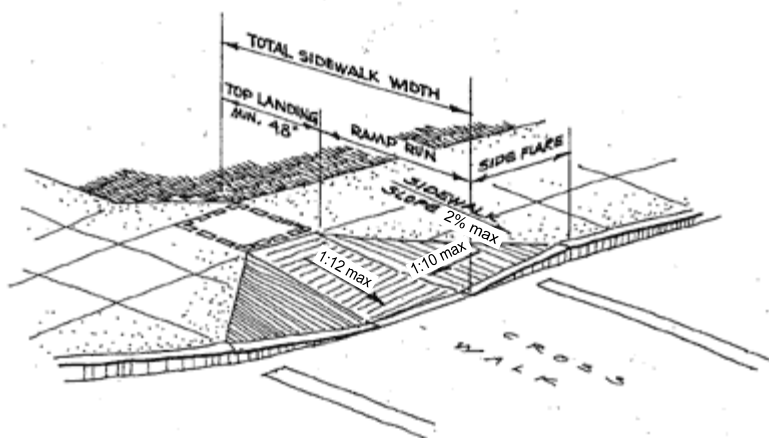


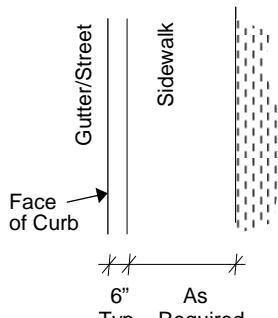
Fig 5-B. Sidewalk Width Requirement

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
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or Code Citation

Headings / Comments / Notes
& Examples

Check List 6. WALKS AND SIDEWALKS

<p>6.1 For additional scoping requirements and exceptions see also applicable DSA-AC Checklist 1.</p>		
<p>6.2 All walks and sidewalks must be accessible (i.e. those that are to be newly constructed or altered, or are part of the required accessible route of travel).</p> <p>EXCEPTION:</p> <p>In alteration projects, when DSA determines that compliance would create an unreasonable hardship, an exception may be granted when an equivalent alternative accessible path of travel is provided.</p>	<p>CBC 1114B.1.2</p>	<p>Accessible route of travel</p> <p><u>DEFINITIONS:</u></p> <p>SIDEWALK is a surfaced pedestrian way contiguous to a street used by the public.</p> <p>WALK is a surfaced pedestrian way not located contiguous to a street used by the public.</p>
<p>6.3 Provide and indicate enlarged detail of surface material transition at:</p> <ol style="list-style-type: none"> Any change in surface material. Where new construction meets existing surface. 	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p>6.4 Vertical changes in level along the accessible route of travel cannot exceed 1/4". Level changes in the accessible route between 1/4" and 1/2" must be beveled at 1:2 max slope.</p>	<p>CBC 1133B.7.4</p>	<p>Changes in level</p>
<p>6.5 Provide and indicate continuous common surface material to be slip resistant, stable, and firm.</p>	<p>CBC 1133B.7.1 & CBC 1124B.1</p>	<p>Continuous surface Ground and floor surfaces</p>
<p>6.6 Provide and indicate width of walk or sidewalk at all locations.</p> <ol style="list-style-type: none"> 48" min. width required. Wheelchair turning space 60" min wherever a person using a wheelchair may have to make a 180 degree or greater turn to access elements or equipment (e.g., at doors, gates, tables and seating accommodations, dispensers, drinking fountains, mail boxes, telephones, etc.). 60" min width if there are no passing spaces measuring 60" by 60" min located at reasonable intervals not to exceed 200'. A T-shaped space complying with CBC Figure 11B-12(b) is an acceptable passing space. <p>EXCEPTION:</p> <p>When, because of right-of-way restrictions, natural barriers or other existing conditions, DSA determines that compliance with the 48" clear sidewalk width would create an unreasonable hardship, the clear width may be reduced to 36".</p>	<p>CBC 1133B.7.1</p> <p>CBC 1118B.3 & ADA Stds. 4.2.3</p> <p>CBC 1133B.7.1 CBC Fig. 11B-12(b) ADA Stds 4.3.4</p> <p>CBC 1133B.7.1</p>	<p>Continuous surface</p> <p>Wheelchair turning space Wheelchair turning space</p> <p>Continuous surface</p> <p>Passing space</p> <p><u>NOTE:</u> Required sidewalk width must be measured exclusive of the curb.</p>
		

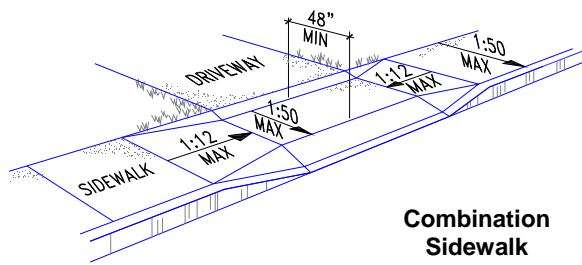
Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

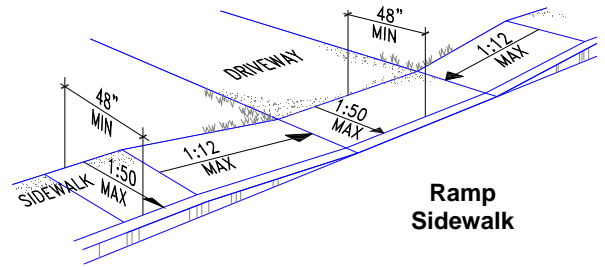
Headings / Comments / Notes
& Examples

Check List 6. WALKS AND SIDEWALKS

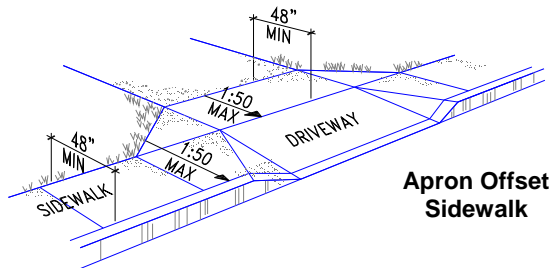
6.7	Provide spot elevation and gradients to show how slope requirements are met.	CBSC Part 1 4-317(b)	Plans
6.8	Slope perpendicular to the direction of travel (cross slope) shall not exceed 2%.	CBC 1133B.7.1.3 & ADA Stds. 4.3.7	Surface cross slopes Slope
6.9	At driveway, show how the 2% cross slope requirement is met. At a minimum, provide and indicate a 48" wide portion of the sidewalk to comply. Provide section through driveway. EXCEPTION: When, due to right-of-way restrictions, natural barriers or other existing conditions, DSA determines that compliance with the 48" clear sidewalk width would create an unreasonable hardship, the clear width may be reduced to 36".	CBSC Part 1 4-317(b) & CBC 1133B.7.1.3	Plans Surface cross slopes
		CBC 1133B.7.1	Surface cross slopes
6.10	Slope exceeds 5% - provide curb ramp at this location. See Checklist 5 for requirements.	CBC 1127B.5	Ramps
6.11	Slope exceeds 5% - provide ramp at this location. See Checklist 7 for requirements.	CBC 1133B.5	Ramps
6.12	Provide a level resting area 5' in length at intervals of at least every 400', or indicate that slope in the direction of travel is 2% or less by providing spot elevations.	CBC 1133B.7.6	Walks with continuous gradients
6.13	Provide a passing space, measuring 60" x 60" every 200' min, or indicate width of walk to be 60" or more.	CBC 1133B.7.1	Continuous surface
6.14	Provide level areas (2% max slope in any direction) at doors and gates.	CBC 1133B.2 CBC 1133B.7.5	Doors Level areas
6.15	Walks, sidewalks, and pedestrian ways shall be free of gratings whenever possible. See Checklist 3 for exceptions.	CBC 1133B.7.2	Gratings
6.16	Identify location of all gratings within the POT and provide cut sheet of gratings for back check review. If gratings are located in walking surfaces, then grate openings cannot exceed 1/2" in the direction of travel flow. Elongated openings should be placed perpendicular to the dominant direction of travel.	CBC 1124B.4 CBC 1133B.7.2 ADA Stds. 4.5.4	Ground/floor surfaces-Gratings Walks/Sidewalks-Gratings Gratings
6.17	If the level change between walk/sidewalk and adjacent surface exceeds 4" in height, provide detail and indicate a 6" warning curb or appropriate guide rails.	CBC 1133B.8.1	Warning curbs
6.18	If the level change between walk/sidewalk and adjacent surface exceeds 30" in height, provide detail and indicate guards (42" AFF).	CBC 1013	Guards



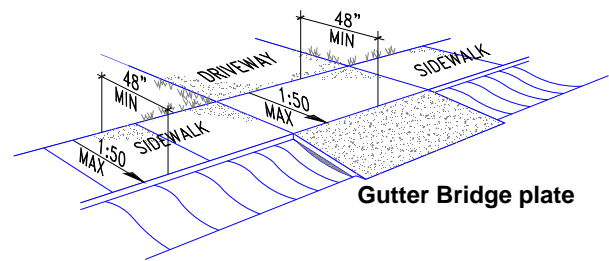
Combination Sidewalk



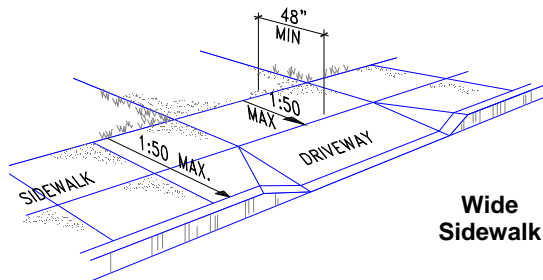
Ramp Sidewalk



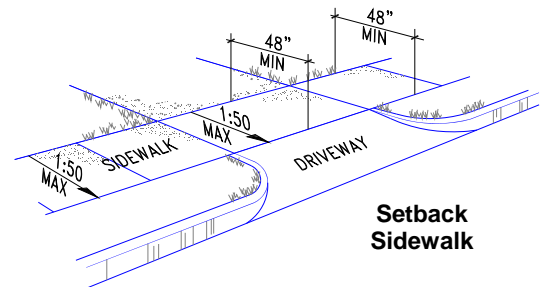
Apron Offset Sidewalk



Gutter Bridge plate



Wide Sidewalk



Setback Sidewalk

Fig 6-A. Examples of Sidewalk Driveway Connections

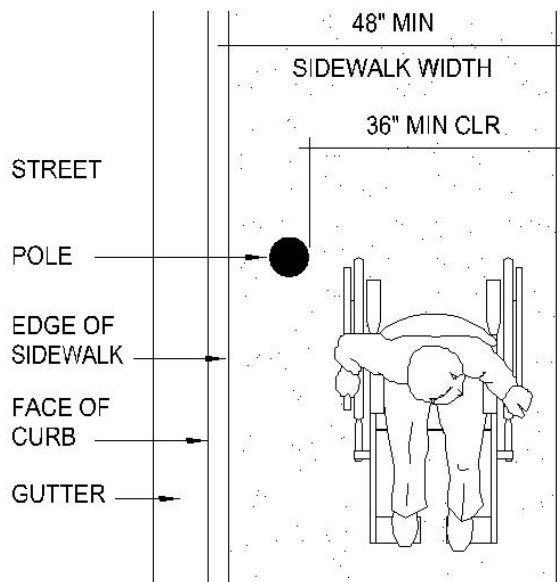


Fig 6-B. Sidewalk Width

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 7. ACCESSIBLE RAMPS

7.1 For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

RAMPS

CBC 1133B.5

7.2 Indicate location, layout, and slope of all ramps on site plan.

CBSC Part 1
4-317(b)

Plans

7.3 All ramps under this contract must be made accessible (i.e. those that are to be newly constructed or altered, or are part of the required POT).

CBC 1114B.1.2

Accessible route of travel

EXCEPTION:

In alteration projects, when DSA finds unreasonable hardship and when an alternative accessible POT is provided.

7.4 Indicate compliance status of existing ramps in the POT (slope, width, landings, etc.).

CBSC Part 1
4-317(b)

Plans

7.5 Provide enlarged plan and sections (longitudinal and transversal) of ramp in 1/4" scale.

CBSC Part 1
4-317(b)

Plans

7.6 Typical ramp detail provided is not similar to actual layout. Modify to provide dimensioned detail in 1/4" scale representing the actual layout.

CBSC Part 1
4-317(b)

Plans

7.7 Indicate ramp slopes. Use least possible but never more than 8.3% max.

CBC 1133B.5.3
ADA Stds 4.8.2

Ramps – Slope
Ramps - Slope and rise

7.8 Slope perpendicular to the direction of travel (cross slope) must be 2% or less.

CBC 1133B.5.3.1

Slope

7.9 Provide spot elevations and ramp run dimensions at this location to show how slope requirements are met.

CBSC Part 1
4-317(b)

Plans

7.10 Ramp run cannot change direction between level landings.

CBC 1133B.5.4.1

Location of landings

7.11 Provide and indicate slip-resistant ramp surface.

CBC 1124B.1

Ground and floor surfaces –
general

7.12 Provide and indicate width of ramp at all locations.

1. 48" min required.

CBC 1133B.5.2

Ramps - width

2. 60" min if serving an occupancy load of ≥ 300 and the entrance ramp is the only exit discharge path from a building.

CBC 1133B.5.2

Ramps - width

7.13 Provide and indicate one of the following at ramps and landings which are not bounded by a wall or a fence (with a smooth and uninterrupted surface).

CBC 1133B.5.6
ADA Stds. 4.1.7

Wheel guides
Edge protection

1. 2" min high guide curb at each side.

2. Wheel guide rail centered at 3" AFF (+/- 1") above ramp.

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or Code Citation

Headings / Comments / Notes
& Examples

Check List 7. ACCESSIBLE RAMPS

RAMP LANDINGS

7.14 Provide and indicate dimension of top landing.

1. 60" x 60" min.
2. Level (2% max slope).

7.15 Provide and indicate dimension of bottom landing.

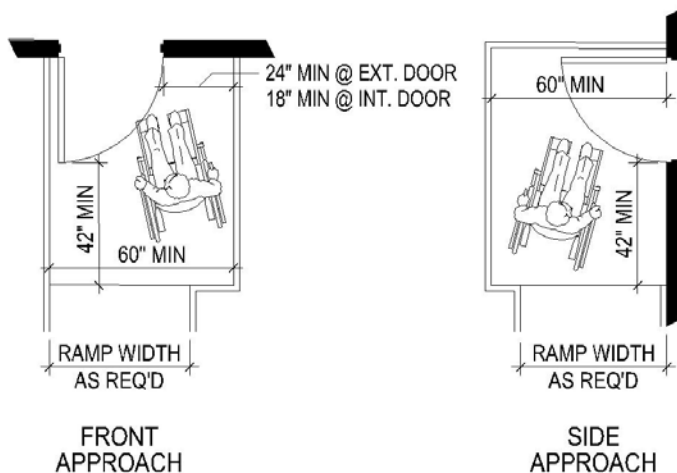
1. 72" long and as wide as the ramp, if no change in direction.
2. 72" long and 60" wide, if change in direction.
3. Level (2% max slope).

7.16 Provide and indicate dimension of intermediate landing.

1. 60" long and as wide as the ramp, if no change in direction.
2. 72" long and 60" wide, if change in direction.
3. Level (2% max slope).
4. Provide intermediate landing at each change in direction.

7.17 Provide and indicate dimension of ramp landing at door or gate.

1. Doors in any position cannot reduce the minimum dimension of the landing to less than 42".
2. Fully opened doors cannot reduce the required width of the landing by more than 3".
3. Required door landing size per CBC Fig. 11B-26 and 24" or 18" strike edge clearance at exterior and interior doors, respectively.
4. Level (2% max slope).



CBC 1133B.5.4

Landings

CBC 1133B.5.4.2

Size of top and bottom landings

CBC 1133B.5.4.1

Location of landings

CBC 1133B.5.4.2 &
CBC 1133B.5.4.5

Size of top and bottom landings
Landing width

ADA Stds 4.8.4(3)

Ramps - Landings

CBC 1133B.5.4.1

Location of landings

CBC 1133B.5.4.5 &
CBC 1133B.5.4.7

Landing width
Other intermediate landings

CBC 1133B.5.4.6 &
ADA Stds 4.8.4(3)

Change of direction
Ramps – Landings

CBC 1133B.5.4.1

Location of landings

CBC 1133B.5.4.1

Location of landings

CBC 1133B.5.4.3

Encroachment of doors

CBC 1133B.5.4.3

Encroachment of doors

CBC 1133B.2.4 &
CBC 1133B.5.4.4

Maneuvering clearances at doors
Strike edge of extension

CBC 1133B.5.4.1

Location of landings

CBC 1133B.5.4.1

Location of landings

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 7. ACCESSIBLE RAMPS

7.18 Provide intermediate landings at intervals not exceeding 30" of vertical rise.

7.19 If ramps change direction at landings, the intermediate and bottom landings shall be a minimum of 60" wide.

7.20 Indicate how exterior ramps and landings are designed so that water will not accumulate on walking surface.

7.21 Provide enlarged detail, showing smooth transition between ramp runs, landings, and existing surfaces.

ADA Stds 4.8.4(3)

Landings

CBC 1133B.5.8

Outdoor ramps

CBSC Part 1
4-317(b)

Plans

HANDRAILS FOR RAMPS

7.22 Provide handrails on both sides of ramp.

EXCEPTIONS:

- Ramps at exterior door landings that rise less than 6" or have a projection of less than 72".
- Curb ramps.
- Ramps immediately adjacent to seating in assembly areas.

CBC 1133B.5.5.1, &
ADA Stds 4.8.5

Handrails for ramps
Handrails

7.23 Handrails must be continuous the full length of the ramp run, plus extensions.

CBC 1133B.5.5.1

Handrails for ramps

7.24 Inside handrails at switchback or dogleg ramps must be continuous.

CBC 1133B.5.5.1

Handrails for ramps

7.25 Top of gripping surface must be between 34" and 38" AFF.

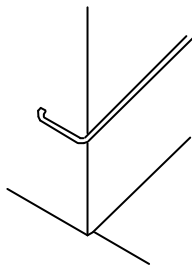
CBC 1133B.5.5.1
ADA Stds 4.8.5(5)

Handrails for ramps
Handrails

7.26 Extend handrail 12" beyond the top and bottom of the ramp run.

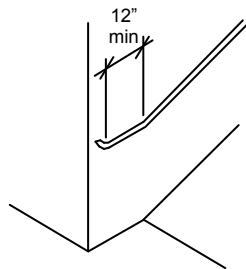
CBC 1133B.5.5.1
ADA Stds 4.8.5(2) &
ADA Stds Fig. 17

Ramp handrails
Handrails



Not Acceptable

Handrail at landing of ramp does NOT extend 12 inches minimum in the direction of the ramp run.



Acceptable

Handrail at landing of ramp extends 12 inches minimum in the direction of the ramp run.

NOTE:

Top and bottom handrail extensions are important safety features for persons with mobility impairments and must extend in the direction of the ramp run to permit the intended use.

CBC 1133B.8.6.1

Protruding objects - General

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

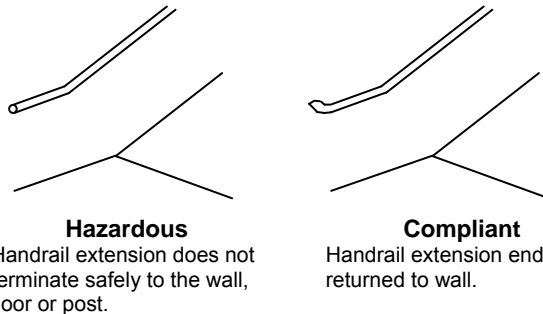
Check List 7. ACCESSIBLE RAMPS

7.27 Handrail extension cannot extend into the required width of an adjacent route of travel. Relocate ramp or modify design.

7.28 Handrail extensions must be parallel to landing surface.

7.29 Provide cane detectable rail portion below 27" AFF if portion of rail that is more than 27" AFF protrudes more than 4" into a perpendicular running circulation path.

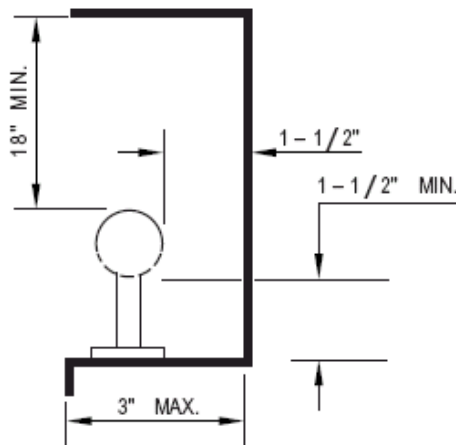
7.30 Return ends of handrail extension to wall, floor or post.



7.31 Indicate gripping portion of 1-1/4" to 1-1/2" in cross-sectional nominal dimension or provide shape with equivalent gripping surface (i.e. 4" to 6-1/4" perimeter, and 2-1/4" max in any direction).

7.32 Provide and indicate 1-1/2" clearance from adjacent obstruction (wall or guardrail).

7.33 Recess to be 3" deep maximum with 18" min height, measured from the top of the handrail.



CBC 1133B.5.5.1 &
ADA Stds 4.8.5(2)

CBC 1133B.8.6.1

CBC 1133B.5.5.1

CBC 1133B.5.5.1

CBC 1133B.5.5.1 &
ADA Stds 4.8.5(3)

CBC 1133B.5.5.1

Handrails
Handrails

Protruding objects - General

Handrails for ramps

Handrails for ramps

NOTE:
When using industry standard round steel handrails (1-1/2" nominally dimensioned) DSA may approve an actual outside diameter of 1-7/8" max.

Handrails for ramps
Handrails

Handrails for ramps

7

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 7. ACCESSIBLE RAMPS

- | | | | |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------|
| 7.34 | All gripping surfaces must be smooth, with no sharp edges, continuous, without interruption by newel posts, and other construction elements, or obstructions. | CBC 1133B.5.5.1,
ADA Stds 4.9.4(4) &
ADA Stds 4.26 | Handrails for ramps
Handrails
Handrails |
| 7.35 | Handrails and adjacent walls or other surfaces shall be free of any sharp or abrasive elements. Edges shall have a minimum radius of 1/8". | ADA Stds 4.26.4
CBC 1133B.5.5.1 | Eliminating hazards
Handrails for ramps |
| 7.36 | Provide guards, 42" high, as a vertical barrier along the open edges of ramps, platform, or landings to prevent persons from falling off the open edge if drop exceeds 30". | CBC 1013
CBC 1133B.5.7 | Guards
Guards |
| 7.37 | Indicate that a sphere 4" in diameter cannot pass through any opening at guards (intermediate rails or an ornamental pattern). | CBC 1013.3 | Opening Limitations |

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code
Citation

Headings / Comments / Notes
& Examples
(as applicable)

Check List 8. DOORS AND GATES

8.1 For additional scoping requirements and exceptions see also applicable DSA-AC Checklist 1 .		
8.2 Identify the following doors on plans and coordinate with numbers/characters in door schedule: <ol style="list-style-type: none"> 1. All doors for new construction. 2. All doors that are being altered in existing buildings. 3. All doors in existing buildings that are in the accessible route of travel, including existing doors. 	CBSC Part 1 4-317(b)	Plans
8.3 Include all doors in door schedule.	CBSC Part 1 4-317(b)	Plans
8.4 Provide the following information for each door in the door schedule: <ol style="list-style-type: none"> 1. Door mark number/character. 2. Room name/number. 3. Width of door leaf or clear opening. 4. Reference to sheet and detail for new or existing door types. 5. Reference to sheet and detail for new or existing thresholds for exterior doors, and interior doors with special flooring transitions (gymnasium, rubber flooring, etc). 6. Reference to sheet and detail for required signage including: tactile/Braille exit signs, restroom signs, entrance signs, identifying room signs, directional signs, etc. 7. "Copy" of door signage. 8. Hardware group for new doors or existing doors that are being altered. 	CBSC Part 1 4-317(b)	Plans
8.5 Indicate either on plan or in schedule that existing door in the accessible route has accessible threshold, hardware, closer, and 10" smooth surface at bottom of push side (e.g. kick plate).	CBSC Part 1 4-317(b)	Plans
8.6 All entrances and ground floor exit doors must be made accessible. EXCEPTIONS: <ol style="list-style-type: none"> a. Exterior ground floor exits serving smoke-proof enclosures, stairwells and exit doors servicing stairs only. b. Exits in excess of those required by Chapter 10, and which are more than 24" above grade. Such doors shall have visual signs which indicate, by means of an arrow and/or text, the location of the nearest accessible exit. The warning sign shall comply with Section 1117B.5.1, Item 2. c. In existing buildings, where DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is 	CBC 1133B.1.1.1.1	Entrances

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code
Citation

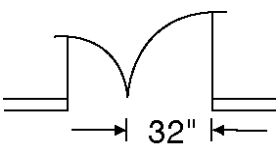
Headings / Comments / Notes
& Examples

(as applicable)

Check List 8. DOORS AND GATES

provided. Equivalent facilitation would require at least one entrance to be accessible.

- d. In existing buildings where DSA determines that, due to legal or physical constraints, compliance with the height requirement or equivalent facilitation would create an unreasonable hardship.

- 8.7** All doors on an accessible path of travel must be made accessible.
- 8.8** Revolving doors or turnstiles cannot be used as the only means of entrance and exit. Provide an accessible door adjacent, designed to facilitate the same use pattern.
- 8.9** Provide and indicate door leafs to be 3' - 0" min (4' - 0" max) in width and 6' - 8" min in height.
- 8.10** Hinged door must open at least 90°.
- 8.11** Door must provide a clear opening of 32" when positioned at an angle of 90 degrees from the closed position (measured between the face of the door and the opposite stop).
- EXCEPTIONS:
- a. Doors not requiring full user passage, such as shallow closets (i.e., 24" or less in depth), may have the clear opening reduced to 20" minimum width.
- 8.12** In existing buildings, when an exit is not accessible, provide a sign to direct people to the nearest accessible means of egress. The sign shall comply with CBC Section 1117B.5 and be mounted at a location so steps do not need to be retraced.
- 8.13** Provide clear opening width dimension.
- 8.14** At double doors, with or without mullion, automatic or manual, indicate clear opening width of one of the doors to be 32" min.
- 
- 8.15** Provide and indicate a clear and level (2% slope) landing on each side of door.

CBC 1114B.1.1

NOTE:
Jurisdictional findings and determinations are subject to an internal DSA appeals process.

General

CBC 1133B.2.3.3
CBC 1133B.2.3.4
ADA Stds. 4.13.2

Revolving doors
Turnstiles, rails and ped. controls
Revolving doors and turnstiles

CBC 1008.1.1
CBC 1133B.2.2

Size of doors
Doors - Width and height

CBC 1133B.2.2

Hinged doors

CBC 1133B.2.2,
CBC 1133B.2.3
ADA Stds. 4.13.5

Doors - Width and height
Hinged doors
Door width

CBC 1007.7
CBC 1117B.5
ADA Stds 4.1.6(1)(h)

Accessible means of egress –
signage
Signs
Entrances

CBSC Part 1
4-317(b)

Plans

CBC 1133B.2.3.1
CBC 1133B.2.3.2
ADA Stds. 4.13.4

Pair of doors
Automatic Doors
Double-leaf doorways

CBC 1133B.2.4

Floor level at doors

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Justification /
Reference
or Code
Citation

Headings / Comments / Notes
& Examples

(as applicable)

Check List 8. DOORS AND GATES

8.16 Provide and indicate the following maneuvering clearances and level landings at door:

1. Front approach to pull side of door must have maneuvering space that extends 24" min at exterior doors (18" min at interior doors) beyond the latch side of the door and 60" min perpendicular to the doorway.
2. Front approach to push side of door, equipped with closer and latch, must have maneuvering space that extends 12" min beyond the latch side of the door and 48" min perpendicular to the doorway.
3. Front approach to push side of door, not equipped with latch and closer, must have maneuvering space that is the same width as door opening and extends 48" min perpendicular to the doorway.
4. Hinge-side approach to pull side of door must have maneuvering space that extends 36" min beyond the latch side of the door and 60" min perpendicular to the doorway.
5. Hinge side approach to push side of door, equipped with latch and closer, must have maneuvering space of 54" min parallel to the doorway and 48" min perpendicular to the doorway.
6. Hinge-side approach to push side of door, not equipped with latch and closer, must have a maneuvering space of 54" min parallel to the doorway and 44" min perpendicular to the doorway
7. Latch-side approach to pull side of door must have maneuvering space that extends 24" min beyond the latch side of the door and 60" min perpendicular to the doorway.
8. Latch-side approach to push side of door, with closers, must have maneuvering space that extends 24" min parallel to the doorway beyond the latch side of the door and 48" min perpendicular to the doorway.
9. Latch-side approach to push side of door, not equipped with closers, must have maneuvering space that extends 24" min parallel to the doorway beyond the latch side of the door and 44" min perpendicular to the doorway.

8.17 When a door is located in a recess or alcove and the plane of the doorway is offset 8" or more from any obstruction within 18", measured laterally on the latch side, the door shall be provided with maneuvering clearance for front approach.

CBC Fig. 11B-26A &
CBC Fig. 11B-26B

Level maneuvering clearances at doors

CBC 1133B.2.4.5
CBC 1133B.2.5.3
CBC Fig. 11B-33(a)

Closer effort to operate doors -
Recessed doors
Clear door width and depth - Pull side

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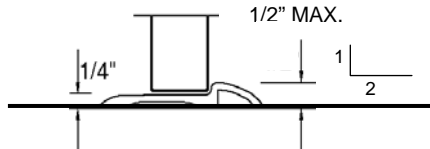
Justification /
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(as applicable)

Check List 8. DOORS AND GATES

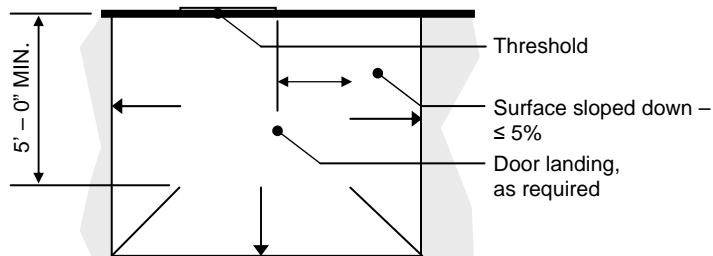
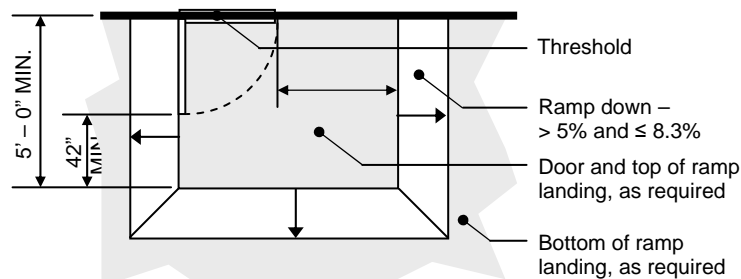
- 8.18** Level difference at landing/threshold transition between 1/4" and 1/2" must be beveled at 1:2.



- 8.19** Indicate level difference between top of threshold and door landing to be 1/2" max (if beveled at 1:2).

- 8.20** Indicate level difference between interior and exterior door landing to be 1/2" max (if beveled at 1:2).

- 8.21** In existing projects, level differences at landing/threshold transitions greater than 1/2" shall be accomplished by means of ramps or sloped walking surfaces and must include required level landings.



- 8.22** Recessed doormats, grills, and carpets must be adequately anchored to prevent interference with wheelchair traffic.

DOOR HARDWARE

- 8.23** If door closers are used, indicate maximum effort to operate doors either in drawings or specifications:

1. 5 lbf max for interior doors.
2. 5 lbf max for exterior doors.

CBC 1133B.2.4.1

Floor level at doors - Thresholds

CBC 1133B.2.4.1

Floor level at doors - Thresholds

CBC 1133B.2.4.1

Floor level at doors - Thresholds

CBC 1133B.2.4.1 &
CBC 1133B.5.1

Floor level at doors - Thresholds
Ramps - General

NOTE:

Handrails are not required on ramps at exterior door landings with less than 6" rise and 72" in length (CBC 1133B.5.5.1, ADAAG 4.8.5).

CBC 1133B.1.1.1.3

Entrances - Recessed doormats

CBC 1133B.2.5

Closer-effort to operate doors

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

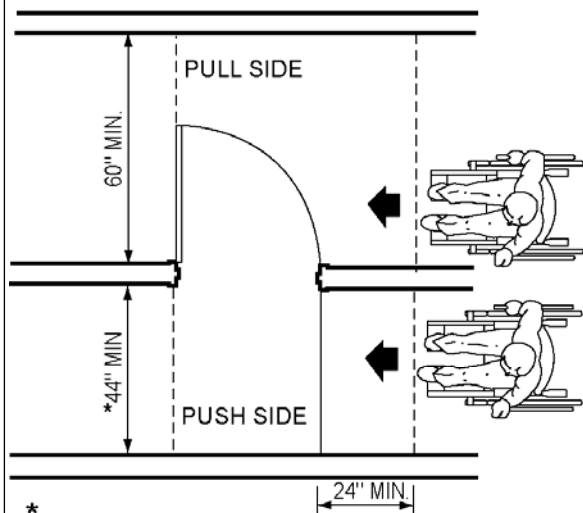
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& Examples

(as applicable)

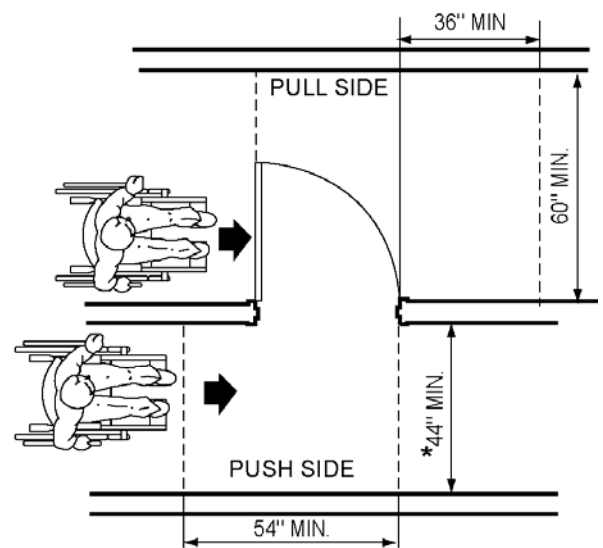
Check List 8. DOORS AND GATES

8.24	At fire doors or rated doors provide the following note: "The Authority having Jurisdiction may increase the maximum effort to operate fire doors in order to achieve positive latching, but not exceeding the 15 lbf max."	CBC 1133B.2.5	Closer-effort to operate doors
8.25	Push button to operate automatic or power-assisted door must be located in an accessible location that is adjacent to or part of the general accessible route of travel; visible and easily recognizable from the main approach; and so that the clear floor or ground space in front of the button is outside any door swing.		
8.26	Indicate height of push button to operate power-assisted door to be between 15" and 48" AFF for forward approach / forward reach or between 9" and 54" AFF for parallel approach / side reach.	CBC 1117B.6 #3 CBC 1118B.5 CBC 1118B.6	Controls and operating mechanisms - Height Forward reach Side reach
8.27	Indicate mounting height of hand-activated door hardware, including all dead bolts, between 30" and 44" AFF (36" preferred).	CBC 1133B.2.5.2	Closer-effort to operate doors
8.28	Deadbolts are not permitted unless operable with single effort by lever-type hardware.	CBC 1008.1.8.5 CBC 1117B.6 CBC 1133B.2.5.2	Door operations - Unlatching Controls and Operating Mech.
8.29	Provide note or detail indicating floor-mounted doorstops and similar obstructions to be installed 4" max from the face of the wall or partition.	DSA Policy #99-08	
8.30	Indicate smooth, uninterrupted surface at the bottom 10" of push side of door leaf.	CBC 1133B.2.6	Smooth surface
8.31	Provide a 10" high kick plate cover at the bottom of the push side of narrow frame doors.	CBC 1133B.2.6	Smooth surface
8.32	Provide a 10" high kick plate cover at the bottom of doors where hardware is surface-mounted (i.e. exposed rod for panic device).	CBC 1133B.2.6	Smooth surface
GATES			
8.33	All gates intended for pedestrian use, including ticket gates, must comply with all applicable requirements of doors (see items above).	CBC 1133B.1.1.1.4 ADA Stds. 4.13.3	Gates Gates
8.34	Identify gate with a mark on plans and include in door schedule.	CBSC Part 1 4-317(b)	Plans
8.35	Provide and indicate accessible operating hardware and 10" high smooth surface at bottom of gate.	CBC 1133B.2.5.2 CBC 1133B.2.6	Smooth surface
8.36	Gate on required exit path must comply with exit door and hardware requirements.	CBC 1133B.1.1.1.4	Gates



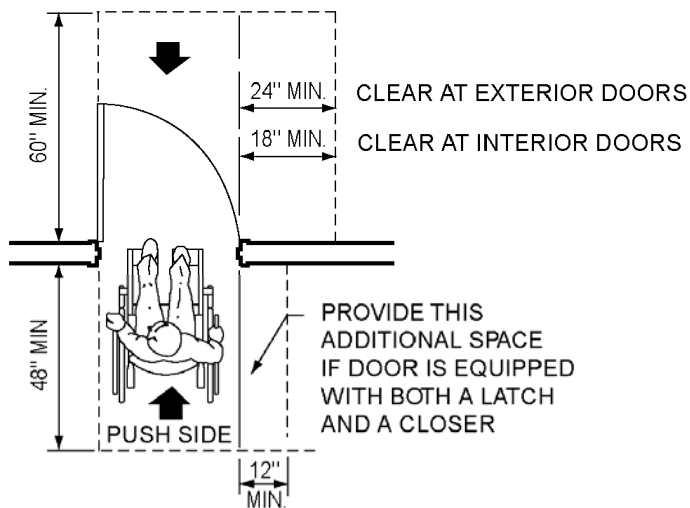
*
NOTE:
48" IF DOOR
HAS A CLOSER

LATCH APPROACH



*
NOTE:
48" MINIMUM IF DOOR
HAS BOTH A LATCH
AND A CLOSER

HINGE APPROACH



FRONT APPROACH



Fig 8-A. Door Maneuvering Clearances and Landings

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 9. CORRIDORS, HALLWAYS, AND VESTIBULES

- 9.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

CORRIDORS, HALLWAYS, EXTERIOR EXIT BALCONIES

- 9.2** All corridors, hallways, and exterior exit balconies must be made accessible.

EXCEPTIONS:

- In existing buildings, when an area is not part of the planned alteration or part of the required path of travel to the area of alteration.
- Corridors, hallways, and exterior exit balconies on floors or portions of floors not customarily occupied, including non-occupiable or employee spaces accessed only by ladders, catwalks, crawl spaces, very narrow passageways, and frequented only by service personnel for repair or maintenance purposes: such spaces as elevator pits and elevator penthouses, piping and equipment catwalks and machinery rooms need not be accessible.

- 9.3** Provide and indicate clear widths as follows:

- 36" min if occupancy load is <10.
- 44" min if occupancy load is 10 or more.
- 60" min if corridor, hallway, or exterior exit balcony exceeds 200' in length without a passing space, measuring 60" x 60" min at intervals of 200' min. A T-intersection of two corridors or walks is an acceptable passing space.

EXCEPTIONS:

- In existing buildings, where DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided.
- In existing buildings where DSA determines that, due to legal or physical constraints, compliance with building standards requirements or equivalent facilitation would create an unreasonable hardship.

- 9.4** Corridor, hallway, or exterior exit balcony in Group E, Div. 1 occupancy (K-12 facilities), serving an occupancy load of 100 or more must be 72" min wide.

- 9.5** Corridor, hallway, or exterior exit balcony in Group E, Div. 1 occupancy (K-12 facilities), serving an occupancy load of less than 100 must be 44" min wide.

- 9.6** If corridor, hallway, or exterior exit balcony slopes more than 5%, indicate compliance with all requirements for ramps.

CBC 1133B.3

CBC 1114B.1.1,
CBC 1114B.1.2, &
CBC 1133B.3

CBC 1103B.1

CBC 1133B.3.1

CBC 1133B.3.1

CBC 1133B.3.2 &
ADA Stds 4.3.4

CBC 1017.2, Ex. 4 &
CBC 1014.5

CBC 1017.2 &
CBC 1014.5

CBC 1133B.5.1

Facility accessibility-general
Accessible route of travel
Corridors, hallways and exterior
exit balconies

Building accessibility - General

Corridor and hallway widths

Corridor and hallway widths

Corridors and hallways over 200'
Passing space

NOTE:
Jurisdictional findings and
determinations for exception b are
subject to an internal DSA appeals
process.

Corridor width
Egress balconies

Corridor width
Egress balconies

Ramps – General

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

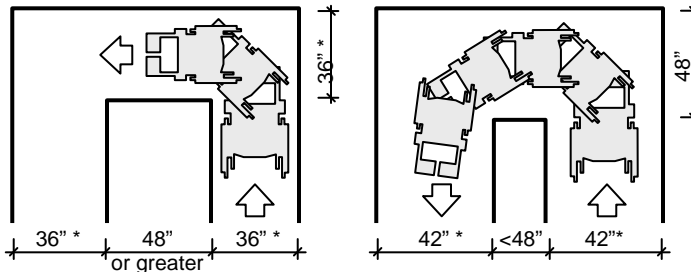
Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 9. CORRIDORS, HALLWAYS, AND VESTIBULES

9.7 Provide and indicate required maneuvering space at the following conditions:

1. When turning around an obstruction.



2. Wherever a person using a wheelchair may have to make a 180° turn.
3. At doors and gates.
4. To access elements or equipment.

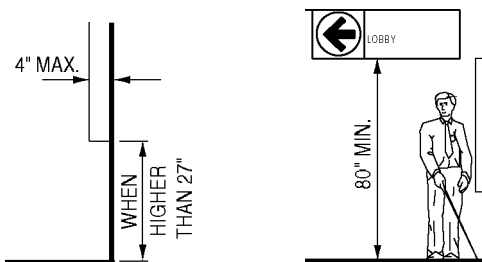
CBC Fig. 11B-5E (a) & (b)

Width of accessible route

NOTE:

* If occupancy load is 10 or more, the minimum width of all dimensions must be increased to 44" min.

9.8 Wall mounted object(s) with bottom edge(s) between 27" and 80" above the ground shall not protrude more than 4" into pedestrian circulation area.



CBC Fig 11B-12

Wheelchair turning space

CBC Fig 11B-26A & 11B-26B

Level maneuvering clearances at doors

CBC 1133B.8.6 & CBC Fig. 11B-7A

Protruding objects

9.9 Provide guards, 42" high, as a vertical barrier along the open edges of walking surfaces, mezzanines, industrial equipment platforms, stairways, ramps and landings to prevent persons from falling off the open edge if drop exceeds 30".

CBC 1013

Guards

VESTIBULES

9.10 Indicate and provide 48" min between two hinged or pivoted doors plus the width of any door(s) swinging into the space.

CBC 1133B.2.4.4 & ADA Stds 4.13.7

Two doors in series

9.11 Doors in series must swing either in the same direction or away from the space between the doors.

CBC 1133B.2.4.4 & ADA Stds 4.13.7

Two doors in series

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 10. STAIRS AND STEPS

10.1	A stair is a change in elevation, consisting of one or more risers.	CBC 1002	Definitions - Stair
10.2	All stairs, stairways, and steps must be accessible. EXCEPTIONS: a. In existing buildings, when stairs are not part of the planned alteration and compliant vertical access is provided through elevators, lifts or ramps, stairways need not be accessible. b. Stairs to floors or portions of floors not customarily occupied, including non-occupiable or employee spaces accessed only by ladders, catwalks, crawl spaces, very narrow passageways, and frequented only by service personnel for repair or maintenance purposes: such spaces as elevator pits and elevator penthouses, piping and equipment catwalks and machinery rooms need not be accessible with the exception of stair striping.	CBC 1114B.1.1 CBC 1133B.4 CBC 1134B.2.1 ADA Stds. 4.1.6(d) CBC 1103B.1 - Exception 2	Facility accessibility - General Stairways Accessibility for existing buildings Accessible buildings - Alterations Building accessibility – General <u>NOTE:</u> All vertical level changes, exceeding 1/4" in height (or 1/2" if beveled at 1:2), and within a pedestrian circulation area are considered stairs or steps, with the exception of curbs that border vehicular ways.
10.3	Stair treads and risers must comply with the following: 1. Treads must be uniform and not less than 11" deep. 2. Risers must be closed. EXCEPTIONS: a. In existing buildings, where DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided. b. In existing buildings where DSA determines that, due to legal or physical constraints, compliance with building standards or equivalent facilitation would create an unreasonable hardship. 3. Risers must be uniform, and shall not be less than 4" nor more than 7" high.	CBC 1133B.4.5.3 CBC 1009.3	Treads, nosing and risers - Open risers are not permitted <u>NOTE:</u> Jurisdictional findings and determinations for exception (b) are subject to an internal DSA appeals process. Stair treads and risers
10.4	Stair nosing must comply with the following: 1. 1/2" max radius of curvature at leading edge of tread. 2. Nosings that project beyond vertical risers must have the underside of the leading edge curved or beveled 60 degrees min from the horizontal. 3. If not vertical, risers must slope under the tread at an angle of 60 degrees min from the horizontal. 4. Maximum permitted projection of the nosing is 1-1/2".	CBC 1133B.4.5 CBC 1133B.4.5.1 CBC 1133B.4.5.3 CBC Fig. 11B-35 CBC 1133B.4.5.3 CBC Fig. 11B-35 CBC 1133B.4.5.2 CBC Fig. 11B-35	Treads, nosing and risers Treads Open risers are not permitted Stairs Open risers are not permitted Stairs Nosing Warning striping and handrail extensions - Stairs

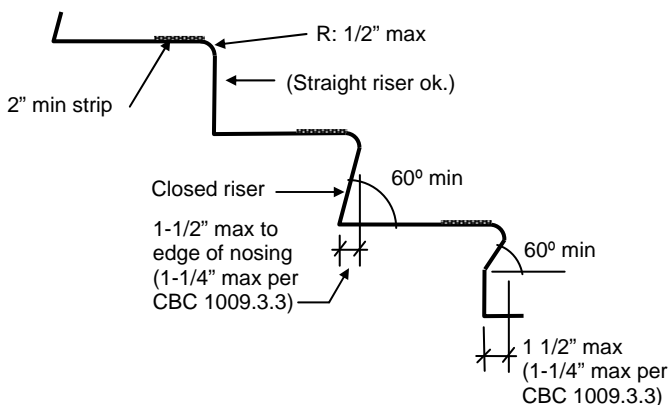
Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 10. STAIRS AND STEPS

Refer to CBC Section 1009.3.3, Stair treads and risers - Profile, for requirements that are more stringent than CBC 1133B.4.5.2.



10.5 Provide detail of color contrasting striping at all stairs and steps within the pedestrian circulation area. Indicate the following:

1. Upper approach and all treads of exterior stairs must have a 2" min wide strip of contrasting color.
2. Upper approach and lower tread of interior stairs must have a 2" min wide strip of contrasting color.
3. Contrasting color strip to be 1" max from the front edge of the step or landing.

CBC 1133B.4.4
CBC Fig. 11B-35

Striping for the visually impaired
Warning striping and handrail extensions

10.6 Provide and indicate width of stairway to be 44" min, or 36" min if serving an occupancy load of <50.

EXCEPTION:

Stairways adjacent to or serving an area of refuge must be 48" min clear between handrails.

CBC 1009.1

Stairway width

CBC 1007.3
ADA Stds. 4.3.11.3

Exit stairways
Areas of rescue assistance –
Stairway width

10.7 Indicate top and bottom landing to slope no more than 2% in any direction and have a dimension in the direction of travel not less than the width of the stairway.

EXCEPTIONS:

- a. Aisle stairs complying with CBC Section 1025.
- b. At straight stair runs the landing need not exceed 48".
- c. Provide additional space where landings serve as areas of refuge.
- d. Doors opening onto a landing shall not reduce the landing to less than one-half the required width. When fully open, the door shall not project more than 7 inches (178 mm) into a landing.

CBC 1009.4
CBC 1009.5.1

Stairway landings
Stairway walking surface

CBC 1009.4, Ex. 1

Stairway landings

CBC 1009.4

Stairway landings

CBC 1007.6.1

Areas of refuge - size

CBC 1009.4, Ex. 2

Stairway landings

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 10. STAIRS AND STEPS

10.8	Increase stair landing dimensions to accommodate required maneuvering space for doors.	CBC 1133B.2.4.2	Maneuvering clearances at doors
10.9	Indicate clear headroom of 6' - 8" min at stairs and landings.	CBC 1009.2	Headroom
10.10	When staircase underside creates a hazardous overhead obstruction, provide cane-detectable barrier to warn blind or visually impaired.	CBC 1133B.8.6.2 & CBC Fig. 11B-7C	Head room
10.11	Provide and indicate location of tactile floor designation signs. See Checklist 17 for additional requirements.	CBC 1133B.4.3	Tactile floor designation signs in stairways
HANDRAILS FOR STAIRS			
10.12	Provide handrails on both sides of stairs.	CBC 1133B.4.1.1	Required handrails
	EXCEPTIONS:		
	a. Stairs located immediately adjacent to fixed seating in assembly areas.	CBC 1009.10	Stairways - handrails
	b. In existing facilities where:	CBC 1134B.2.1	Accessibility for existing buildings
	▪ stairs are not within the specific area of alteration, and		
	▪ stairs are not part of the required path of travel.		
10.13	Provide an intermediate handrail at stairs required to be more than 88" wide with not less than one intermediate handrail for each 88" of required width.	CBC 1133B.4.1.1	Required handrails
	Refer to CBC Section 1012.8, Intermediate handrails, for requirements that are more stringent than CBC 1133B.4.1.1.	CBC 1012.8	Intermediate handrails
10.14	Design to provide continuous handrails on the full length of the stair run.	CBC 1133B.4.1.1 ADA Stds. 4.9.4(1)	Required handrails
10.15	Design to provide continuous inside handrails at intermediate landings.	CBC 1133B.4.2.2 ADA Stds. 4.9.4(1)	Handrail configuration
10.16	Top of gripping surface of handrail must be between 34" and 38" AFF.	CBC 1133B.4.2.1 ADA Stds. 4.9.4(5)	Handrail configuration
10.17	Indicate a specific height from front edge of nosing to top of handrail gripping surface.	CBSC Part 1, 4-317(b)	Plans
10.18	Extend handrail 12" beyond the top of the stair run and parallel to the landing surface (see Fig 10-A).	CBC 1133B.4.2.2 ADA Stds. Fig. 19(d)	Handrail configuration Stair Handrails - Extension at top of run
10.19	Extend handrail 12" plus the width of one tread beyond the bottom riser. The handrail must continue to slope for a distance of the width of one tread and the remainder of the extension must be parallel to the landing surface (see Fig 10-A).	CBC 1133B.4.2.2 ADA Stds. Fig. 19(c)	Handrail configuration Stair Handrails - Extension at bottom of run

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 10. STAIRS AND STEPS

10.20 Handrail extension cannot extend into the required width of an adjacent route of travel or the required width of an exit discharge component.

CBC 1003.3.4

Clear width

10.21 Handrail extensions must meet the following requirements:

1. Handrail extensions must extend in the direction of the stair run.
2. Return ends of handrail extension to wall, floor or post.

CBC 1133B.4.2.2

Handrail configuration

CBC 1133B.4.2.3

EXCEPTIONS:

- a. In existing buildings, where DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided.
- b. In existing buildings where DSA determines that, due to legal or physical constraints, compliance with building standards or equivalent facilitation would create an unreasonable hardship.

CBC 1133B.4.2.6.1
ADA Stds. 4.1.6(3)(b)

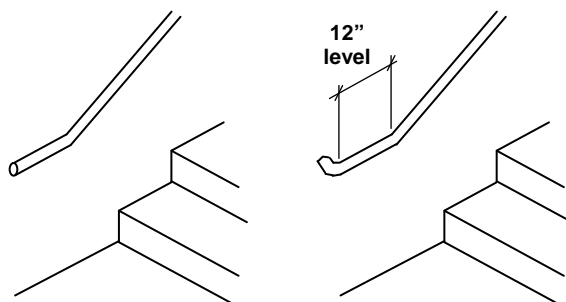
Stairways - Handrail configuration
Alterations - Stairs

NOTE:

Jurisdictional findings and determinations for exception (b) are subject to an internal DSA appeals process.

NOTE:

Top and bottom handrail extensions are important safety features for people with balance problems and must therefore extend in the direction of the stair run.



Hazardous

Handrail extension does not terminate safely to the wall, the floor, or newel.

Compliant

Handrail extension end is returned to wall.

10.22 Indicate gripping portion between 1-1/4" and 1-1/2" in cross-sectional nominal dimension or the shape shall provide an equivalent gripping surface (i.e. 4" to 6-1/4" perimeter, and 2-1/4" max in any direction).

CBC 1133B.4.2.6

Handgrips

NOTE:

When using industry standard steel handrails (nominally dimensioned) DSA may approve an actual outside diameter of 1-7/8" max.

10.23 All gripping surfaces and adjacent wall or other surface must be smooth with no sharp edges, and continuous, without interruption by newel posts, other construction elements, or obstructions. Edges shall have a minimum radius of 1/8".

CBC 1133B.4.2.6
ADA Stds. 4.9.4

Handgrips
Handrails

10.24 Provide and indicate 1-1/2" absolute clearance from adjacent obstruction (wall or guardrail).

CBC 1133B.4.2.5
ADA Stds. 4.26.2

Handrail configuration
Size and spacing of grab bars and handrails

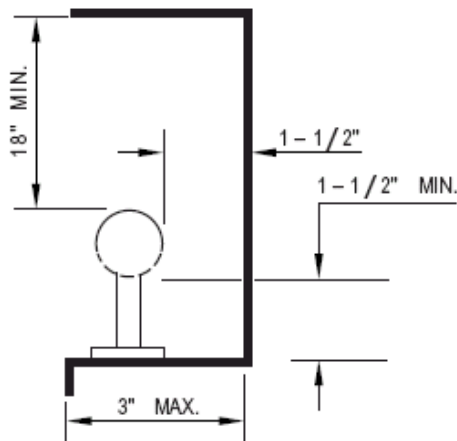
Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 10. STAIRS AND STEPS

- 10.25** Recess to be 3" deep maximum with a minimum 18" height, measured from the top of the handrail.



CBC 1133B.4.2.5
CBC Fig. 11B-36

Stairways - Handrail configuration
Stair handrails

- 10.26** Provide guardrail, 42" min high, as a vertical barrier along the open edges of stairs, platform, or landings to prevent persons from falling off the open edge if drop exceeds 30".

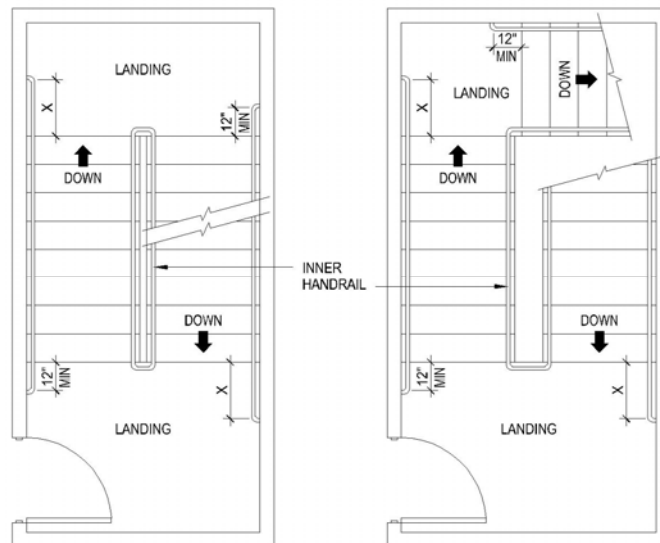
CBC 1013.1
CBC 1013.2

Guards
Guards - Height

- 10.27** Indicate that a sphere 4" in diameter cannot pass through any opening at guardrails (intermediate rails or an ornamental pattern).

CBC 1013.3

Guards - Opening limitations



NOTE: INNER HANDRAIL AT LANDINGS OF STAIRS THAT DOUBLE BACK OR IMMEDIATELY TURN SHALL BE CONTINUOUS AND SHALL NOT EXTEND INTO LANDING OR PATH OF TRAVEL.

X: EXTENSION OF HANDRAIL SHALL BE EQUAL TO THE TREAD WIDTH PLUS 12 INCHES.

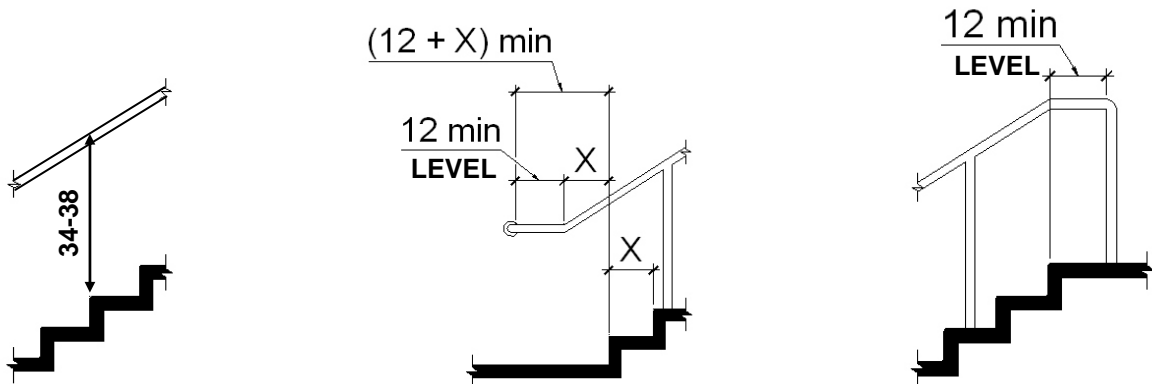
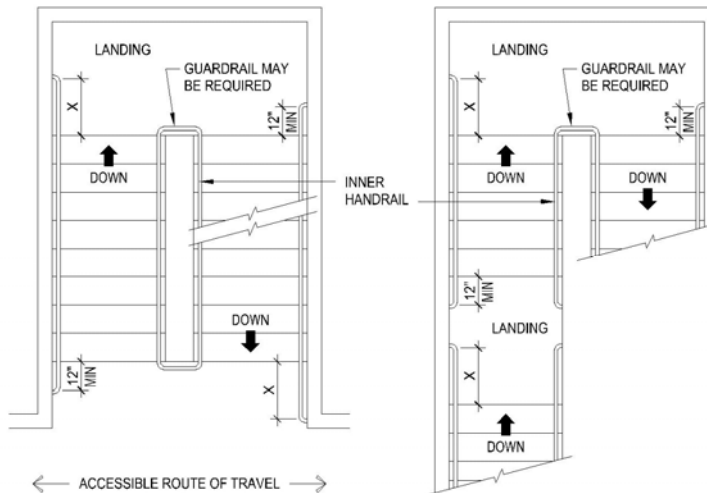


Fig 10-A. Requirements for Stairs and Stair Handrails

All dimensions are inches, u.o.n.

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 11. ACCESSIBLE MEANS OF EGRESS

- 11.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

ACCESSIBLE MEANS OF EGRESS

- 11.2** Indicate all accessible spaces are provided with not less than one accessible means of egress. Where more than one means of egress is required by Chapter 10 from any accessible space, indicate each accessible portion of the space is served by accessible means of egress in at least the same number as required by Section 1015.1 or 1019.1.

EXCEPTIONS:

- Accessible means of egress are not required in alterations to existing buildings.
- One accessible means of egress, consisting of an exit stairway, elevator or platform lift, is required from an accessible mezzanine level.
- In assembly spaces with sloped floors, one accessible means of egress is required from a space where the common path of egress travel of the accessible route for access to the wheelchair spaces meets the requirements of Section 1025.8.

- 11.3** Indicate each required accessible means of egress is continuous to a public way and consists of one or more of the following components:

- Accessible routes, complying with Section 1114B.1.2
- Stairways within vertical exit enclosures, complying with Sections 1007.3, 1020 and 1133B.4
- Exterior exit stairways, complying with 1007.3, 1023 and 1133B.4
- Elevators, complying with 1007.4 and 1116B.3
- Platform or special access lifts, complying with Sections 1007.5, 1116B.2 and 1116B.3
- Horizontal exits, complying with Section 1021
- Ramps, complying with 1010 and 1133B.5
- Areas of refuge, complying with 1007.6

EXCEPTIONS:

- Where the exit discharge is not accessible, an exterior area for assisted rescue must be provided.
- Where the exit stairway is open to the exterior, the accessible means of egress shall include either an area of refuge or an exterior area for assisted rescue.

CBC 1007

Accessible means of egress

CBC 1007.1

Accessible means of egress required

CBC 1007.2

Continuity and components

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 11. ACCESSIBLE MEANS OF EGRESS

<p>11.4 In buildings where a required accessible floor is four or more stories above or below a level of exit discharge, indicate that at least one required accessible means of egress is an elevator.</p> <p>EXCEPTIONS:</p> <ul style="list-style-type: none"> a. In buildings equipped throughout with an automatic sprinkler system, the elevator shall not be required on floors provided with a horizontal exit and located at or above the level of exit discharge. b. In buildings equipped throughout with an automatic sprinkler system, the elevator shall not be required on floors provided with a ramp. 	<p>CBC 1007.2.1</p>	<p>Elevators required</p>
<p>EXIT STAIRWAYS</p>	<p>CBC 1007.3</p>	<p>Exit stairways</p>
<p>11.5 Indicate an exit stairway provides a clear width of 48" min between handrails and either incorporates an area of refuge within an enlarged floor-level landing or can be accessed from either an area of refuge complying with Section 1007.6 or a horizontal exit.</p> <p>EXCEPTIONS:</p> <ul style="list-style-type: none"> a. Unenclosed exit stairways as permitted by Section 1020.1 are permitted to be considered part of an accessible means of egress. b. The area of refuge is not required at unenclosed exit stairways as permitted by Section 1020.1 in buildings or facilities that are equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1. c. The clear width of 48 inches between handrails is not required at exit stairways in building or facilities equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2. d. The clear width of 48 inches between handrails is not required for exit stairways accessed from a horizontal exit. e. Areas of refuge are not required at exit stairways serving open parking garages. 	<p>CBC 1007.3</p>	<p>Exit stairways</p>

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 11. ACCESSIBLE MEANS OF EGRESS

ELEVATORS

- 11.6** Indicate an elevator complies with the emergency operation and signaling device requirements of ASME A17.1, Section 2.27. Indicate standby power is provided in accordance with Sections 2702 and 3003. Indicate the elevator can be accessed from either an area of refuge complying with Section 1007.6 or a horizontal exit.

EXCEPTION:

Elevators are not required to be accessed from an area of refuge or horizontal exit in open parking garages.

CBC 1007.4

Elevators

CBC 1007.4

Elevators

PLATFORM OR SPECIAL ACCESS LIFTS

- 11.7** Platform or special access lifts shall not serve as part of an accessible means of egress, except where allowed as part of a required accessible route in Section 1116B.2 through 1116B.2.4. Indicate standby power is provided in accordance with Section 2702.2.6 for platform lifts permitted to serve as part of a means of egress.

CBC 1007.5

Platform lifts

CBC 1007.5

Platform lifts

- 11.8** Platform lifts on an accessible means of egress shall not be installed in a fully enclosed hoistway.

CBC 1007.5.1

Openness

AREAS OF REFUGE

- 11.9** Indicate required area of refuge is accessible from the space it serves by an accessible means of egress.

CBC 1007.6

Areas of refuge

CBC 1007.6

Areas of refuge

- 11.10** Indicate the maximum travel distance from any accessible space to an area of refuge does not exceed the travel distance permitted for the occupancy in accordance with Section 1016.1.

CBC 1007.6

Areas of refuge

- 11.11** Indicate that every required area of refuge has direct access to an enclosed stairway complying with Sections 1007.3 and 1020.1 or an elevator complying with Section 1007.4.

CBC 1007.6

Areas of refuge

- 11.12** Where an elevator lobby is used as an area of refuge, indicate that the shaft and lobby comply with Section 1020.1.7 for smokeproof enclosures except where the elevators are in an area of refuge formed by a horizontal exit or smoke barrier.

CBC 1007.6

Areas of refuge

- 11.13** Areas of refuge must adjoin an accessible route of travel.

CBC 1007.6

Areas of refuge

- 11.14** Provide, and indicate on plan, at least two 30" x 48" minimum wheelchair spaces at each area of refuge.

CBC 1007.6.1

Areas of refuge - Size

- 11.15** The 30" x 48" wheelchair spaces cannot encroach on any required means of egress width, including door swings and required stair landing dimensions. Access to required wheelchair spaces cannot be obstructed by more than one adjoining wheelchair space.

CBC 1007.6.1

Areas of refuge - Size

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 11. ACCESSIBLE MEANS OF EGRESS

- | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------|
| <p>11.16 Provide at least one 30" x 48" space on each story for every 200 persons of calculated occupant load served by the area of refuge, but never less than two at each area of refuge.</p> <p>EXCEPTION: The building official may reduce the minimum number of 30" x 48" spaces to one for each area of refuge on floors where the occupant load is less than 200.</p> | CBC 1007.6.1 | Areas of refuge - Size |
| <p>11.17 If applicable, indicate on cover sheet, plan, or in code analysis occupancy load for each story.</p> | CBSC Part 1
4-317(b) | Plans |
| <p>11.18 Stairs adjacent to, or serving areas of refuge, shall provide 48" minimum clear width between handrails.</p> | CBC 1007.3 | Exit stairways |
| <p>11.19 Provide a two-way emergency communication system with both visible and audible communication for use by the fire department or rescue crews at a central control point approved by the fire department. A button shall activate both a light at the primary entrance and a light in the area of evacuation assistance indicating that the request has been received.</p> | CBC 1007.6.3
CBC 1007.6.3.1 | Two-way communication
Visible communication method |
| <p>11.20 Indicate the location of operable parts on the two-way emergency communication system.</p> | CBC 1007.6.3 | Two-way communication |
| <p>11.21 Provide a sign which states: "AREA OF REFUGE" complying with Section 1117B.5.1 #2, including the International Symbol of Accessibility. Where exit sign illumination is required, the area of refuge sign shall be illuminated. Additionally, tactile identification signage complying with Section 1117B.5.1 #1 shall be located adjacent to each door to an area of refuge.</p> | CBC 1007.6.5
ADA Stds 4.3.11.5 | Identification
Identification |
| <p>11.22 Provide a sign with instructions in each area of refuge, including directions for use of emergency communications system.</p> | CBC 1007.6.4
ADA Stds 4.3.11.5 | Instructions
Identification |

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 12. ELEVATORS AND SPECIAL ACCESS (WHEELCHAIR) LIFTS

12.1 For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

ELEVATORS

12.2 Provide automatic passenger elevator to serve each level (including floors, stories, split levels, platforms, podiums, sunken areas, balconies, roof gardens, and mezzanines) in a facility that is constructed by, on behalf of, or for the use of a public entity. If more than one elevator is provided, each passenger elevator shall comply with Section 1116B.

EXCEPTIONS:

- a. Floors or portions of floors not customarily occupied, including, but not limited to, non-occupiable or employee spaces accessed only by ladders, catwalks, crawl spaces, very narrow passageways or freight (non-passenger) elevators, and frequented only by service personnel for repair or maintenance purposes: such spaces as elevator pits and elevator penthouses, piping and equipment catwalks and machinery rooms.
- b. When an existing theater is subdivided into more than one facility having upper levels not accessible by ramp or elevator, and DSA determines that full compliance with this code would create an unreasonable hardship, upper levels need not be made accessible, provided all facilities at grade are accessible and any event, showing of motion pictures or other activities made available to the public in all of the facilities are scheduled to ensure that all such functions are available to the public in the accessible facility.
- c. Ramps may be provided in lieu of elevators.
- d. Special access wheelchair lifts may be approved by DSA between levels in lieu of passenger elevators.
- e. In existing buildings, other than dining banquet and bar facilities, when DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided.
- f. In existing dining, banquet and bar facilities, when DSA determines that compliance would create an unreasonable hardship, an exception may be granted provided that a minimum of 75 percent of the dining, banquet and bar is on a common level throughout or connected by pedestrian ramps, passenger elevators or special lifts, and provided that the same services and décor are provided in an accessible space usable by the general public and are not restricted to use by people with disabilities.

CBC 1116B.1

Elevators

CBC 1103B.1,
CBC 1114B.1.2,
CBC 1120B.1,
ADA Stds 4.1.3(5), &
28 CFR 35.151(a)&(b)

Building accessibility - Scope
Accessible route of travel
Floors within each story
Accessible buildings: New
construction
New construction and alterations

DEFINITION:

Health & Safety Code §19955.3
MEZZANINE: An intermediate floor placed in any story or room. When the total area of any "mezzanine floor" exceeds 33.3% of the total floor area in that room, it shall be considered as constituting an additional "story".

CBC 1104B.3.1 Ex 2

Seating

CBC 1103B.1 &
ADA Stds 4.1.3(5) -
Exception 3

Building accessibility - Scope
Accessible buildings: New
construction

CBC 1116B.2

Special access (wheelchair) lifts

CBC 1120B.1 Ex 1

Floors within each story

CBC 1120B.1 Ex 2

Floors within each story

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 12. ELEVATORS AND SPECIAL ACCESS (WHEELCHAIR) LIFTS

g. In existing buildings, when legal or physical constraints would not allow compliance with this section or equivalent facilitation without creating an unreasonable hardship.	CBC 1120B.1 Ex 3	Floors within each story <u>NOTE:</u> Jurisdictional findings and determinations for exception (g) are subject to an internal DSA appeals process.
h. Private facilities that have less than three stories or less than 3,000 sq. ft. per story, unless the building is a shopping center, a shopping mall, the professional office of a health care provider, a terminal, depot or other station used for specified public transportation, or an airport passenger terminal.	CBC 1103B.1 Ex 2.2	Building accessibility - Scope <u>NOTE:</u> Exception (h) does not apply to privately funded facilities that are intended for use by a public entity.
12.3 Indicate elevators used as a component of an accessible means of egress comply with the emergency operation and signaling device requirements of ASME A17.1, Section 2.27; comply with the standby power requirements in Section 2702 and 3003; and can be accessed from either an area of refuge complying with Section 1007.6 or a horizontal exit. Also, see Checklist 11 – Accessible Means of Egress.	CBC 1007.4	Elevators
12.4 Indicate compliance of existing elevator and provide DSA application number.	CBSC Part 1 4-317(b)	Plans
12.5 Indicate location of all elevators on each site and floor plan with an appropriate symbol (X).	CBSC Part 1 4-317(b)	Plans
12.6 Where more than one elevator is provided, all elevators must be made accessible.	CBC 1103B.1 CBC 1114B.1.2	Building Accessibility – Scope Accessible route of travel
12.7 Freight elevators are not considered as meeting the accessibility requirements unless the only elevators provided are used as combination passenger and freight elevators for the public and employees.	ADA Stds 4.10.1	Elevators - General
12.8 In new construction of buildings where elevators are required, and which exceed 10,000 square feet on any floor, accessible means of vertical access shall be provided within 200 feet of each stairs and each escalator. EXCEPTION: Stairs used <u>solely</u> for emergency egress.	CBC 1103B.2	Distance to elevators
12.9 In existing buildings where elevators are required, and which exceed 10,000 square feet on any floor, and where newly constructed means of vertical access is provided via stairs or escalator, an accessible means of vertical access shall be provided within 200 feet of each new stairs or escalator. EXCEPTION: Stairs used <u>solely</u> for emergency egress.	CBC 1103B.2	Distance to elevators
12.10 Indicate height of centerline of hall call buttons in elevator lobby or hall to be 42" AFF.	CBC 1116B.1.10, CBC Fig. 11B-40C & ADA Stds 4.10.3	Hall call buttons Hoistway and elevator entrances Hall call buttons
12.11 Indicate call button to be 3/4" min in the smallest dimension, and to be raised 1/8 inch (plus or minus 1/32 inch) above the surrounding surface.	CBC 1116B.1.10 & ADA Stds 4.10.3	Hall call buttons Hall call buttons

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 12. ELEVATORS AND SPECIAL ACCESS (WHEELCHAIR) LIFTS

- 12.12** Indicate centerline of visual hall lantern fixtures to be a minimum 72" o.c. AFF, 2-1/2" min in the smallest dimension, and visible from the vicinity of the hall call button.

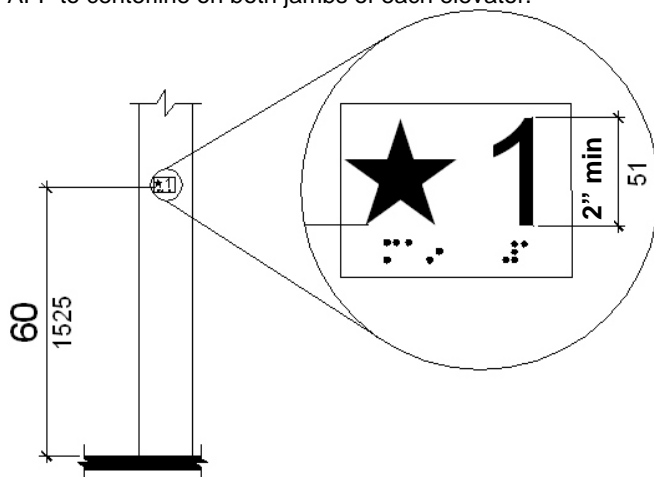
CBC 1116B.1.13,
CBC Fig. 11B-40C &
ADA Stds 4.10.4

Hall lantern
Hoistway and elevator entrances
Hall lanterns

- 12.13** Provide and indicate raised character, with corresponding Grade 2 (contracted) Braille below, floor designations to be 60" AFF to centerline on both jambs of each elevator.

CBC 1116B.1.14 &
CBC Fig. 11B-40C

Doorjamb marking
Hoistway and elevator entrances



- 12.14** Indicate clearance between the car platform sill and the edge of the hoistway landing to be no greater than 1-1/4".

CBC 1116B.1.2
ADA Stds 4.10.9

Operation and leveling

- 12.15** Indicate clear door opening width to be 36" min.

CBC 1116B.1.4

Door size

- 12.16** Indicate height of door re-opening sensors at nominal 5" and 29" AFF.

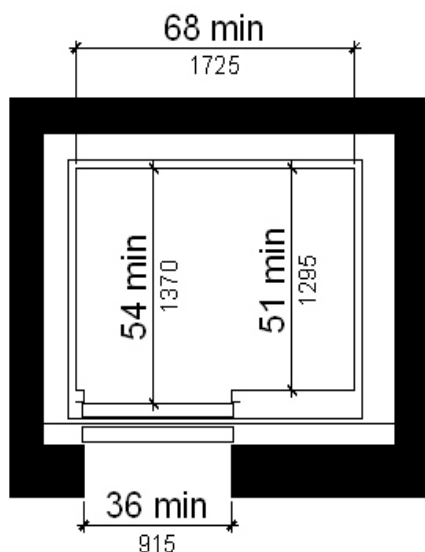
CBC 1116B.1.5

Door protective and reopening
device

- 12.17** Indicate interior dimensions for elevator cab with 36" wide side-slide opening doors to be 68" min wide, and 54" min deep between the back wall and the elevator door, and 51" min deep between the back wall and the return panel. Indicate controls located at the side wall or at the front wall next to the door.

CBC 1116B.1.8,
CBC Fig. 11B-40A(a)

Car inside
Minimum dimensions of elevator
cars - Side opening doors



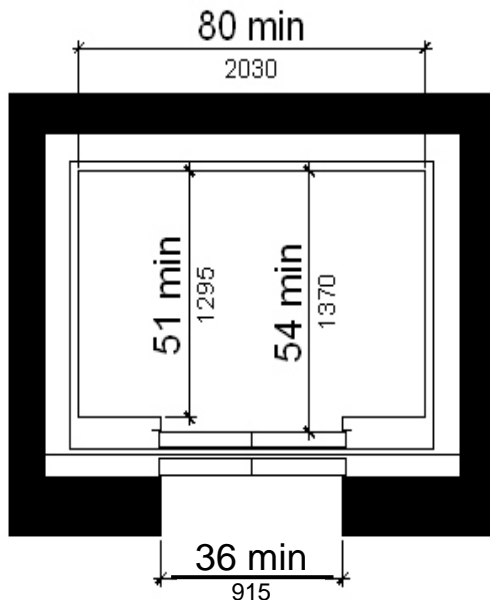
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Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 12. ELEVATORS AND SPECIAL ACCESS (WHEELCHAIR) LIFTS

- 12.18** Indicate interior dimensions for elevator cab with 36" wide center-opening doors to be 80" min wide, and 54" min deep between the back wall and the elevator door, and 51" min deep between the back wall and the return panel. Indicate the controls located on a front wall.



CBC 1116B.1.8 &
CBC Fig. 11B-40A (b)

Car inside
Minimum dimensions of elevator
cars - Center opening doors

NOTE:

DSA may approve other elevator configurations and dimensions if it is clearly shown that the floor area of the elevator car provides space for wheelchair users to enter the car, turn around, maneuver within reach of controls, and exit from the car.

- 12.19** Provide and indicate at least one (1) handrail at 32" AFF and 1-1/2" from the wall.

CBC 1116B.1.11

Handrails

- 12.20** The highest operable part of a two-way emergency intercom system must be 48" max AFF. The device must be identified by a raised telephone symbol and corresponding Braille lettering located adjacent to the device. If the system uses a handset, the cord from the panel to the handset must be 29" min long. The car emergency signaling device cannot be limited to voice communication. If instructions for use are provided, essential information must be presented in both tactile and visual form.

CBC 1116B.1.8
ADA Stds 4.10.14

Car inside

- 12.21** Indicate centerlines of highest and lowest elevator floor buttons (inside car) to be within 35" and 48" AFF for front approach and 35" and 54" AFF for side approach.

CBC 1116B.1.8
CBC Fig. 11B-40B (b)

Car inside
Elevator control panel

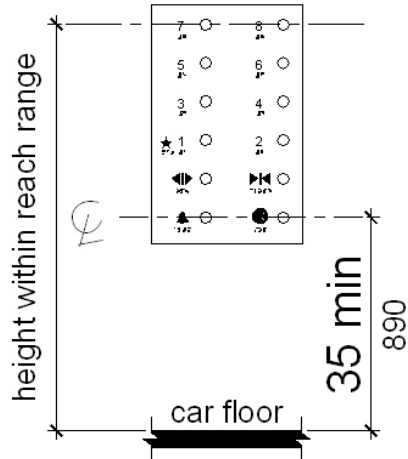
Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 12. ELEVATORS AND SPECIAL ACCESS (WHEELCHAIR) LIFTS

- 12.22** Emergency controls, including the emergency stop and alarm, must be grouped in or adjacent to the bottom of the panel and must be 35" min AFF.



CBC 1116B.1.8 &
CBC Fig. 11B-40B (a)

Car inside
Elevator control panel - Elevator
control panel detail

- 12.23** Indicate on an enlarged detail elevator car control buttons to be designated by:

1. Car control buttons shall have a minimum dimension of 3/4" and shall be illuminated.
2. Car control buttons shall be raised 1/8" +/- 1/32" above the surrounding surface and shall have square shoulders.
3. Floors shall be designated by numbers, a min of 5/8" high and white on a black background, with standard alphabet characters or standard symbols immediately to the left of control buttons.
4. A Grade 2 (contracted) Braille symbol, located immediately below the numeral, character or symbol.
5. A minimum clear space of 3/8" or other suitable means of separation shall be provided between rows of control buttons.

CBC 1116B.1.9

Car controls

SPECIAL ACCESS (WHEELCHAIR) LIFTS

**THIS PORTION OF THE CHECKLIST IS CURRENTLY
UNDER REVISION**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Heading / Comments / Notes
& Examples

Check List 13. PUBLIC TELEPHONES

13.1 For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

13.2 Indicate number and location of all public pay telephones, public closed circuit telephones, or other public telephones on each site and floor plan.

CBSC Part 1
4-317(b) &
CBC 1102B

Plans

Definitions

DEFINITION:

CLOSED CIRCUIT TELEPHONE:
A telephone with dedicated line(s) such as a house phone, courtesy phone or phone that must be used to gain entrance to a facility.

13.3 Indicate compliance status of all telephones included in this project (i.e. those that are to be newly constructed or altered, or part of the required POT) and provide DSA application number.

CBSC Part 1
4-317(b)

Plans

13.4 Indicate POT to accessible telephones (dashed line) and show 30" x 48" minimum clear floor space.

CBC 1117B.2.2 &
CBSC Part 1
4-317(b)

Clear ground floor space
Plans

13.5 Provide and indicate interior and exterior accessible public pay telephones, public closed circuit telephones, or other public telephones in compliance with the following table:

CBC 1117B.2.1 &
ADA Stds 4.1.3(17)(a)

Telephones
Public telephones

Number of each type of telephone provided on each floor	Minimum number of telephones required to comply with 1117B.2 (excluding TTY requirement).
1 or more single unit	At least 50 percent of telephone units per floor but not less than one.
1 bank	At least 50 percent of telephone units per bank but not less than one.
2 or more banks	At least 50 percent of telephone units per bank but not less than one. At least 1 telephone per floor shall meet the requirements for a forward reach telephone.

*A bank is two or more adjacent telephones.

13.6 Provide additional maneuvering space as required at alcoves (indicate dimensions).

CBC 1117B.2.4
CBC Fig. 11B-5A

Relationship of maneuvering clearances to wheelchair spaces
Minimum clear floor space for wheelchairs

13.7 Provide enlarged side and front elevation, indicating height of operable parts, knee clearance, and location of required signage.

CBC Fig. 11B-4

Mounting heights and clearances for telephones

13.8 Provide cane detectable warning at telephone that protrudes into pedestrian circulation area.

CBC 1117B.2.7#4 &
CBC 1133B.8.6.1

Protruding telephone enclosures
Protruding objects - General

13.9 Provide and indicate provision of volume control at all accessible telephones (12 dBA min to 18 dBA max above normal). In addition, equip 25%, but never less than one, of all other public telephones with a volume control and disperse

CBC 1117B.2.8,
ADA Stds 4.1.3(17)(b)
ADA Stds 4.31.5

Telephone equipment for hearing impaired persons
Public telephones
Hearing aid compatible and volume control telephones

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Heading / Comments / Notes
& Examples

Check List 13. PUBLIC TELEPHONES

them among all types of public telephones, including closed circuit telephones, throughout the building or facility.

- 13.10** Provide and indicate at least one text telephone (TTY) where four or more public pay telephones are provided at the exterior and interior of a site and if at least one is in an interior location. The TTY must be located on the inside in a public use area.

CBC 1117B.2.9.1#1&
ADA Stds 4.1.3(17)(c)(i)

Text telephones – Where required
Public telephones

- 13.11** Provide and indicate a text telephone (TTY) where at least one interior public pay telephone is located in a facility that is a stadium or arena, a convention center, a hotel with a convention center, or a covered mall.

CBC 1117B.2.9.1 #2

Text telephones – Where required

- 13.12** Provide and indicate a text telephone (TTY) where at least one public pay telephone is located in or adjacent to a hospital emergency room, hospital recovery room, or hospital waiting room. One TTY shall be provided at each such location.

CBC 1117B.2.9.1 #3

Text telephones – Where required

- 13.13** Provide and indicate a text telephone in facilities used by entities that provide emergency services, including 911 services.

28 CFR §35.162

Telephone emergency services

- 13.14** Provide and indicate shelf and electrical outlet for portable TTY.

CBC 1117B.2.9.2 #2

Text telephones - General

- 13.15** Provide and indicate the following signage at accessible telephones:

1. ISA at all wheelchair accessible telephones.
2. Depiction of telephone handset with radiating sound waves at all telephones with volume controls.
3. International TTY symbol at all text telephones.
4. Directional signage adjacent to all banks of telephones which do not contain a text telephone indicating the location of the nearest text telephone (TTY). Include the international TTY symbol. If a facility has no banks of telephones, the directional signage shall be provided at the entrance (e.g., in a building directory).

CBC 1117B.5.8.1

International Symbol of
Accessibility

CBC 1117B.2.8

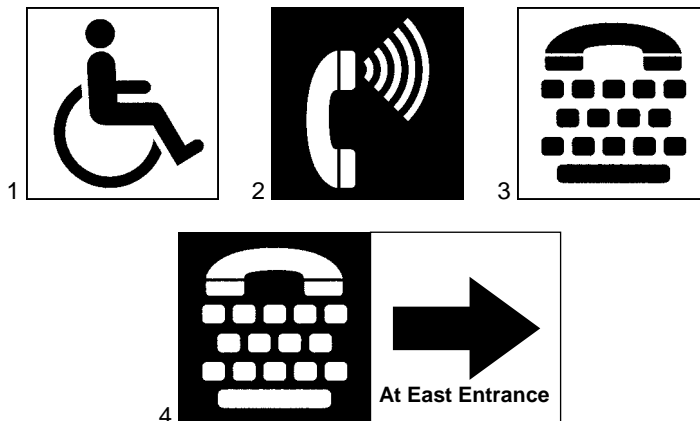
Telephone equipment for the
hearing impaired

CBC 1117B.2.9.3

Text telephones - Signage

CBC 1117B.2.9.3

Text telephones - Signage



13

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Heading / Comments / Notes
& Examples

Check List 13. PUBLIC TELEPHONES

- 5.** Indicate location of signs to be high enough to be seen even when the telephone is in use. Size signs so that they can be seen from a distance.

CBSC Part 1
4-317(b)

Plans

- 13.16** In large projects with many telephone units or banks, provide ratio table, indicating total units, accessible units, volume control units, and TTY units for each floor/area.

CBSC Part 1
4-317(b)

Plans

- 13.17** Telephones shall have push button controls where service for such equipment is available.

CBC 1117B.2.10 &
ADA Stds 4.31.6

Telephones - Controls
Telephones - Controls

- 13.18** The cord from the telephone to the handset shall be at least 29 inches long.

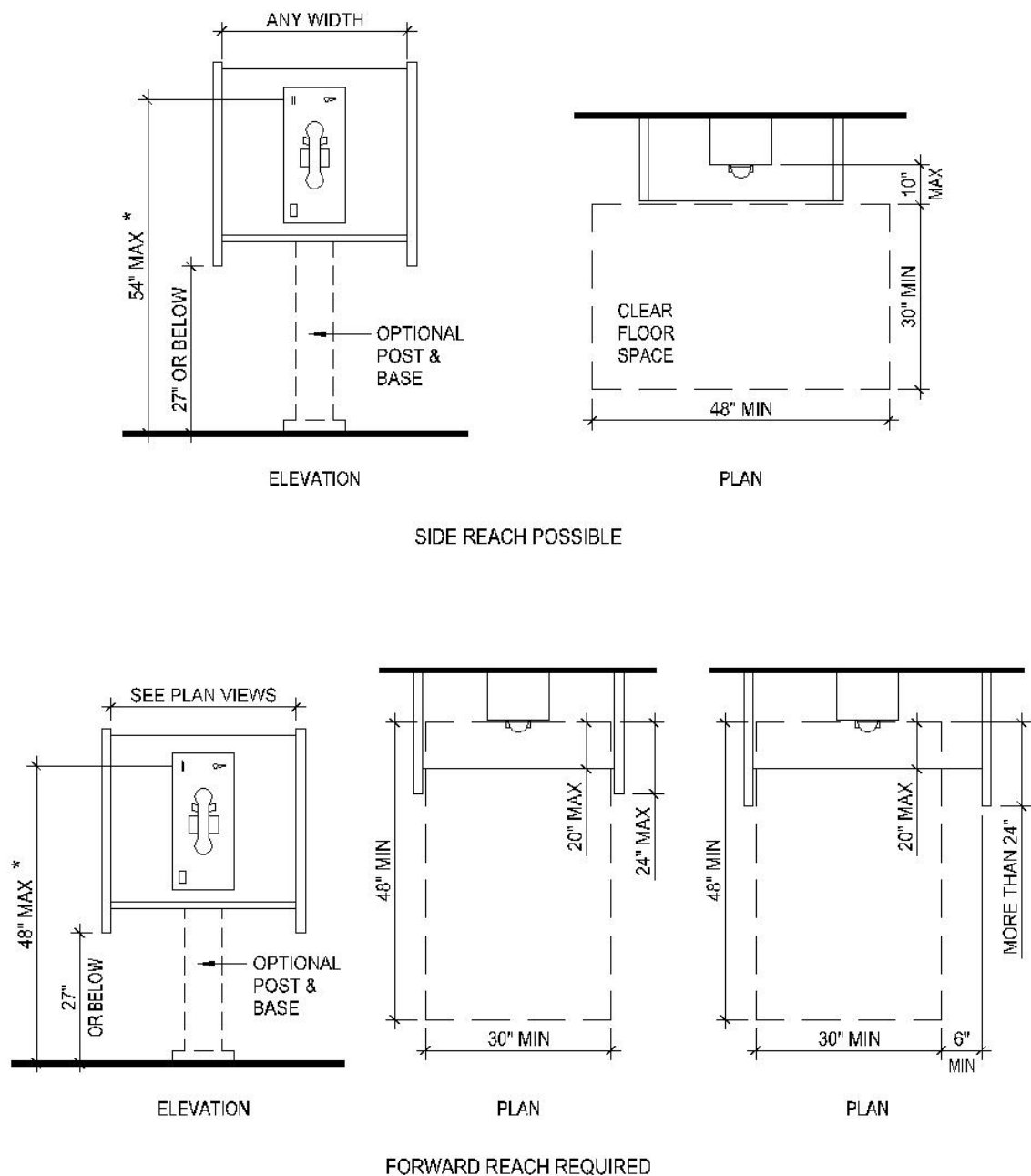
CBC 1117B.2.11 &
ADA Stds 4.31.8

Telephones - Cord length
Telephones - Cord length

- 13.19** Telephone book, if provided, must be located at a position within reach range.

CBC 1117B.2.12 &
ADA Stds 4.31.7

Telephone books
Telephone books



* HEIGHT TO HIGHEST OPERABLE PARTS WHICH ARE ESSENTIAL TO BASIC OPERATION OF TELEPHONE.

Fig 13-A Telephone Approaches and Reach Ranges

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 14. DRINKING FOUNTAINS

14.1	For additional scoping requirements and exceptions see also applicable DSA-AC Checklist 1 .		
14.2	Indicate location and user type of all interior and exterior drinking fountains (DFs) on each site and floor plan.	CBSC Part 1 4-317(b)	Plans
14.3	Indicate compliance status of all DFs included in this project (i.e. those that are to be newly constructed or altered, or part of the required path of travel) and provide DSA application number.	CBSC Part 1 4-317(b)	Plans
14.4	Indicate the path of travel (dashed line) to accessible DFs and show a 30" x 48" min clear space.	ADA Stds. 4.1.3(10)(b) CBSC Part 1 4-317(b)	Drinking fountains Plans
14.5	Provide and indicate "hi-low" combination DF in new construction where only one drinking fountain area is provided per floor.	CBC 1115B.4.6 #1	Accessible drinking fountains - General
14.6	Provide and indicate "hi-low" combination DF in alteration projects if DF <u>is part of the alteration</u> and where only one drinking fountain area is provided per floor.	CBC 1134B.2 ADA Stds. 4.1.6(2)	Accessibility for existing buildings Accessible buildings: Alterations
14.7	Provide and indicate "hi-low" combination DF in alteration projects if DF <u>serves the area of alteration</u> and where only one drinking fountain area is provided per floor.	CBC 1134B.2.1 & ADA Stds. 4.1.6(2)	Accessibility for existing buildings Accessible buildings: Alterations
14.8	Where more than one DF is provided on a floor, indicate that 50% of those provided are to be accessible and located on an accessible route of travel.	CBC 1115B.4.6 #1 ADA Stds. 4.1.3(10)(b)	Accessible drinking fountains - General Drinking fountains
14.9	When DFs are provided, indicate "hi-low" combination, or one wheelchair accessible DF and one DF at standard height within immediate proximity.	CBC 1115B.4.6 #1 & ADA Stds. 4.1.3(10)(a)	Accessible drinking fountains - General Drinking fountains
14.10	All DFs must be located in alcoves or otherwise positioned so as not to encroach into pedestrian ways. EXCEPTION: At an existing building or facility, when DSA determines unreasonable hardship to locate the DF in an alcove, the DF may project into the circulation path, if the DF is made identifiable to blind persons as follows: Provide wing walls or cane-detectable railings on each side of the DF. The wings must project out from the supporting wall at least as far as the DF to within 6" of the surface of the circulation path, but cannot reduce the required clear width of the adjacent accessible route.	CBC 1115B.4.6 #3 CBC Fig. 11B-3A(b)	Alcoves Water fountains
14.11	Provide alcove dimensions: 1. 32" min wide and 18" min deep. 2. 36" min wide, if alcove is deeper than 24".	CBC 1115B.4.6 #3	Alcoves

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 14. DRINKING FOUNTAINS

14.12 Provide and indicate the following clearances for wheelchair accessible DF on enlarged elevations and plan. Refer to checklist figure 14-B.

1. DF must be 18" - 19" deep and allow front approach.
2. Knee clearance must be 27" min AFF for a depth of 8" min, measured from the front edge of the DF.
3. Toe clearance must be 9" min AFF and 17" min deep, measured from the front of the DF.
4. DF activator must provide accessible operation and be within 6" of the front edge of the DF.
5. Indicate that the force required to activate controls can not exceed 5 lbf.
6. The bubbler outlet must be at 36" max AFF.
7. Indicate that the spout must provide a flow of water at least 4" high.
8. On DFs with round or oval bowls, the bubbler outlet must be located so that the flow of water is within 3" of the front edge of the DF.
9. On DFs with square bowls, the bubbler outlet must be within 6" of the front edge of the DF and provide a flow of water that is parallel with the front edge.

CBC 1115B.4.6 #2

Clearances

CBC 1115B.4.6 #2

Clearances

CBC 1115B.4.6 #2

Clearances

CBC 1115B.4.6 #4

Bubbler

CBC 1115B.4.6 #4

Bubbler

CBC 1115B.4.6 #4

Bubbler

CBC 1115B.4.6 #5

Spout

CBC 1115B.4.6 #5

Spout

CBC 1115B.4.6 #4

Bubbler

14.13 DFs in facilities primarily used by children should be adjusted to meet their accessibility needs in accordance with the following suggested dimensions:

1. Knee clearance height must be 24" max AFF for elementary schools and 22" max AFF for kindergarten.
2. The bubbler outlet height must be 32" max AFF for elementary schools and 30" max AFF for kindergarten.

CBC 1115B.1.2 &
CBC Table 1115B-1

Where used by children
Suggested dimensions for
children's use

14.14 DF details on architectural plans must correspond with site plan, plumbing plans, and/or specs.

CBSC Part 1
4-317(b)

Plans

14.15 Provide dimensioned detail representing the actual fixture, for all accessible DFs under this contract.

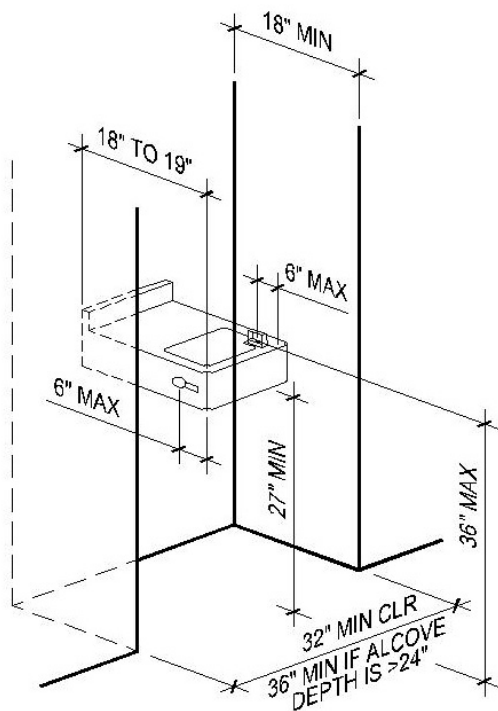
CBSC Part 1
4-317(b)

Plans

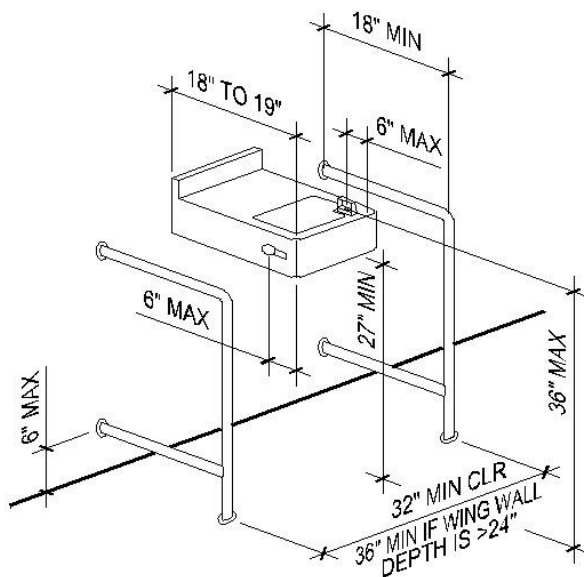
14.16 Bring manufacturer's DF cut sheets to back check.

CBSC Part 1
4-317(b)

Plans

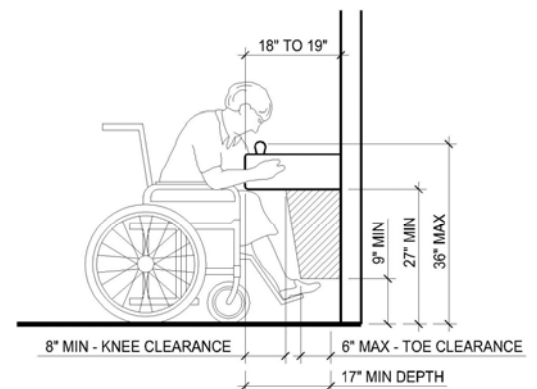


(a) ALCOVE INSTALLATION



(b) NONALCOVE WING WALL INSTALLATION

Fig 14-A. Single Accessible Drinking Fountain



* EQUIPMENT PERMITTED IN SHADED AREA

Fig 14-B. Spout Height and Knee Clearance at Drinking Fountains

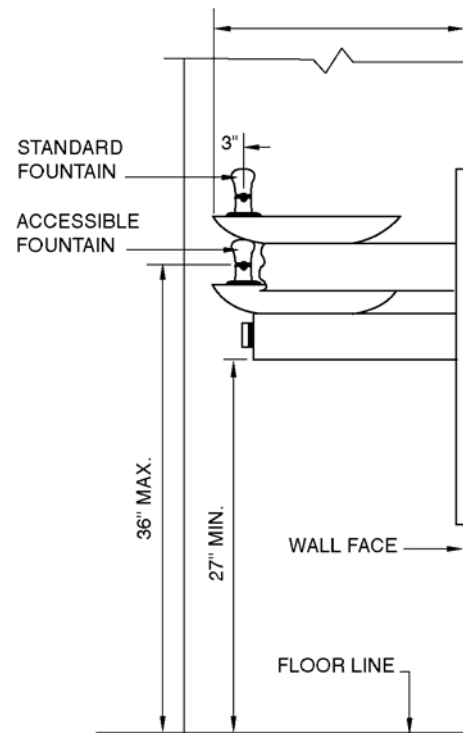


Fig 14-C. Side Elevation "Hi-Low"

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 15. SANITARY FACILITIES

15.1	For additional scoping requirements and exceptions see also applicable DSA-AC Checklist 1 .		
15.2	Indicate location and DSA application number of all toilet and bathing facilities on site plan.	CBSC Part 1 4-317(b)	Plans
15.3	All toilet and bathing facilities under this contract shall be on an accessible route and shall be made accessible (i.e. those that are to be newly constructed or altered, or part of the required path of travel). EXCEPTION: In alterations where accessibility is required to and in sanitary facilities serving the area of alteration, when DSA determines that compliance would create an unreasonable hardship, and when equivalent facilitation is provided. When equivalent facilitation is used, accessible sanitary facilities must be provided within a reasonable distance of accessible areas. Signage shall be provided at inaccessible sanitary facilities indicating the location of the nearest accessible sanitary facility.	CBC 1115B.1 ADA Stds 4.22	Bathing and toilet facilities - General Toilet rooms <u>NOTE:</u> DSA generally does not determine hardship if the equivalent facilitation toilet facility provides only front transfer.
15.4	Where separate facilities are provided for persons of each sex, these facilities shall be accessible to persons with disabilities. Where unisex facilities are provided, these facilities shall be accessible to persons with disabilities.	CBC 1115B.1.1	Separate and unisex facilities <u>NOTE:</u> Labor Code §2350 requires separate facilities within a reasonable distance when there are five or more employees.
15.5	In existing buildings or facilities, unisex toilet rooms will be permitted where it is determined that full code compliance is technically infeasible in an area of alteration.	DSA Policy 97-01	Unisex Toilet Rooms
15.6	Common-use accessible sanitary facilities shall be accessible directly from a corridor or from the exterior (not through an office, a classroom, or any assembly or performance area which disturbs the function of that room).	CBC 1114B.1.2 & ADA Stds 4.3	Accessible route of travel Accessible route
15.7	Door leading to sanitary facility must be accessible. Indicate door width, door maneuvering clearances and slope, and show 90° door swing on plan.	CBC 1115B.5 & CBC 1133B.2	Passageways Doors
15.8	At sanitary facility, door cannot swing into the clear floor space required for any fixture (i.e. front and side transfer spaces at accessible WC, spaces at accessible urinal and all lavatories, and transfer spaces at accessible showers and bathtubs).	CBC 1115B.5	Passageways
15.9	Indicate 30" x 48" clear floor space on plan at accessible urinal, shower/bathtub, and at least one accessible lavatory.	CBC 1115B.4.2 #3 CBC 1115B.4.3 #3 CBC 1115B.4.5 #1 CBC Figs 11B-2A, 11B-2B & 11B-2C	Accessible urinals Accessible lavatories Accessible bathtubs Shower Stalls

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 15. SANITARY FACILITIES

15.10	Indicate wheelchair turning space on plan:	CBSC Part 1 4-317(b), CBC 1115B.3.2 #1	Plans
1.	60" diameter circle or a T-shaped space for 180 turns in single accommodation toilet facility.		Wheelchair clearance
2.	60" diameter circle in multiple accommodation toilet facility.	CBC 1115B.3.1 #1	Wheelchair clearance
3.	60" diameter circle or a T-shaped space for 180 turns in bathroom, bathing facility & shower room.	ADA Stds 4.23.3	Clear floor space
15.11	Doors, other than the door to the accessible compartment, cannot swing into the wheelchair turning space by more than 12".	CBC 1115B.3.1 #1	Wheelchair clearance
15.12	In alterations, provide as-built dimensions pertinent to compliance status of this restroom.	CBSC Part 1 4-317(b)	Plans
15.13	For restroom signage see Checklist 17 .		
15.14	Coordinate plumbing drawings with architectural drawings.	CBSC Part 1 4-317(b)	Plans
15.15	Coordinate all fixtures shown on fixture schedule with all plumbing fixtures shown on plumbing and architectural drawings.	CBSC Part 1 4-317(b)	Plans
WATER CLOSETS (WCs) AND COMPARTMENTS			
15.16	Compartment door to accessible fixture must comply with door maneuvering requirements, and in no case shall the space immediately outside of the water closet compartment door be less than 48" measured perpendicular to the compartment door in its closed position. Indicate strike edge clearance and landing depth (e.g., for front pull-side approach show 18" and 60" dimensions). See Checklist 8 for door requirements.	CBC 1115B.3.1 #4.5	Accessible water closet compartment
15.17	Provide and indicate the following for compartment door to accessible fixture:	CBC 1115B.3.1 #4	Accessible water closet compartment
1.	Side entry stall door must have 34" clear opening.	CBC 1115B.3.1 #4.4	Accessible water closet compartment
2.	Front entry stall door must have 32" clear opening.	CBC 1115B.3.1 #4.4	Accessible water closet compartment
3.	Stall door must be self-closing, and have U-pulls on both sides. If provided, the locking mechanism must be accessible, not requiring grasping, pinching or turning of the wrist.	CBC 1115B.3.1 #4.5	Accessible water closet compartment

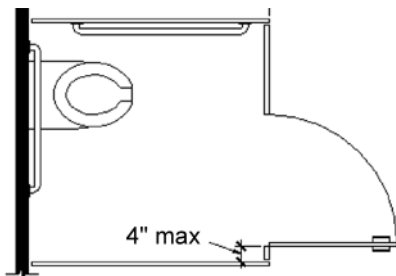
Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

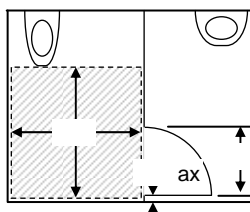
Check List 15. SANITARY FACILITIES

- 15.18** Front entry stall door must be located in front of the WC side transfer space – not in front of the WC – with a maximum stile width of 4 inches.



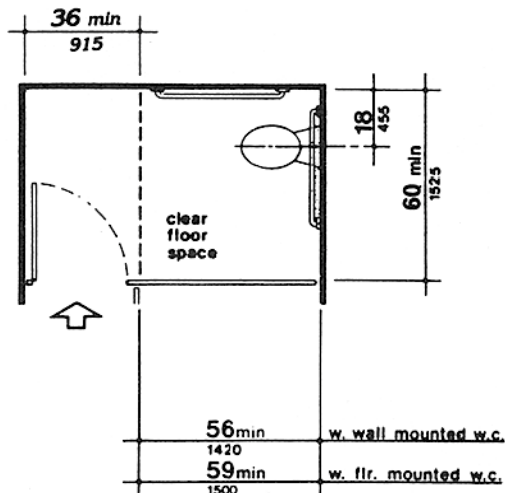
- 15.19** In multiple-accommodation toilet rooms, provide and indicate a 44" min clear passageway to the accessible WC compartment, excluding door opening and door swings.

- 15.20** In accessible compartments with out-swinging side entry stall doors, provide and indicate a 60" square space in front of the WC.



Out-swinging door and 60" square directly in front of water closet.
(All dims are min. u.o.n.)

- 15.21** In accessible compartments with in-swinging side entry stall doors, provide and indicate 60" min wide by 56" min deep space for wall-mounted WC, or 60" min wide by 59" min deep space for floor-mounted WC.



CBC 1115B.3.1 #4.3
ADA Stds Fig 30(a)

Accessible water closet
compartment
Toilet stalls - Standard stall

CBC 1115B.3.1 #4.5

Accessible water closet
compartment

CBC 1115B.3.1 #4.2

Accessible water closet
compartment

CBC 1115B.3.1 #4.2

CBC Fig 11B-1B

Accessible water closet
compartment
Multiple-Accommodation Toilet
Facility

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 15. SANITARY FACILITIES

15.22 In accessible compartments with out-swinging front entry stall doors, provide and indicate 60" min wide by 48" min deep clear space in front of the WC.

CBC 1115B.3.1 #4.3

Accessible water closet compartment

15.23 Indicate height of top of WC seat. Provide exact dimension, not a range, and coordinate with specifications and product cut sheet.

CBC 1115B.4.1 #4

Accessible water closets

15.24 Indicate WC flush valve to be on wide side of toilet area.

CBC 1115B.4.1 #5

Accessible water closets

15.25 In new construction and alterations, indicate 18" from centerline of WC to nearest sidewall.

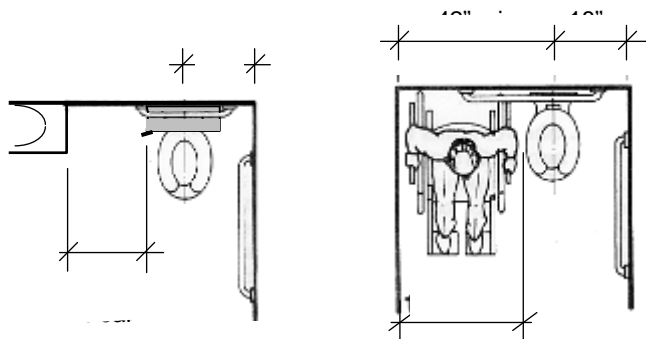
CBC 1115B.4.1 #1

Accessible water closets

15.26 Indicate a 28" min wide clear dimension between the accessible WC (or tank) and any other fixture or a 32" min wide clear dimension to sidewall or partition that is located on the wide side.

CBC 1115B.4.1 #1

Accessible water closets



15.27 Indicate 42" min from centerline of WC to wall on wide side, or indicate total width of clear area to be 60" min (18" + 42") to allow side and front transfer use.

CBC 1115B.3.1 #4.1

ADA Stds Fig 28(c)

Accessible water closet compartment
Clear floor space at water closets

15.28 Provide one ambulatory accessible stall where six or more WCs are provided within a multiple-accommodation toilet room.

CBC 1115B.3.1 #5

Large toilet rooms

15.29 Provide and indicate the following at ambulatory accessible stall:

CBC 1115B.3.1#5

Large toilet rooms

1. Stall must be 36" wide absolute.
2. Stall length must provide 24" in front of the WC, and allow installation of grab bars on each side.
3. Stall door with 32" clear opening.
4. Stall door must be out-swinging, self-closing, have U-pulls on both sides and a locking mechanism that does not require grasping, pinching or turning of the wrist.
5. Parallel grab bars on both sides of the WC, at least 42" long, with the front end positioned 24" from the WC.
6. Accessible WC fixture and accessible toilet accessories.

CBC 1115B.4.1 #3

Accessible water closets

CBC 1115B.4.1 #3

Accessible water closets

ADA Stds 4.22.4

Water Closets

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Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 15. SANITARY FACILITIES

GRAB BARS IN TOILET FACILITIES

15.30 Indicate height of grab bar to be 33" AFF.

CBC 1115B.4.1 #3

Accessible water closets

EXCEPTION:

Where a tank-type toilet is used which obstructs placement at 33" AFF, the back grab bar may be 36" max AFF.

CBC 1115B.4.1 #3.2

Accessible water closets

15.31 At an accessible WC, indicate a 36" long back grab bar to extend 12" beyond the center of the WC toward the side wall, and 24" toward the open side.

CBC 1115B.4.1 #3.2

Accessible water closets

15.32 At an accessible WC, indicate 42" min long side grab bar to extend 54" min beyond the back wall.

CBC 1115B.4.1 #3.1

Accessible water closets

15.33 Indicate diameter of grab bars and coordinate with specs.

CBC 1115B.7.1

Diameter or width

15.34 Indicate space between grab bar and adjacent wall to be 1-1/2" absolute.

CBC 1115B.7.1

Diameter or width

ACCESSORIES

15.35 Indicate location and provide necessary dimensions for all toilet/bathroom dispensers/disposals/accessories (e.g., soap, paper towel, seat cover, feminine tissue, electric dryer, coat hooks, etc) on enlarged plans and elevations. Elements must be within reach range of user but cannot protrude into any required clear floor space.

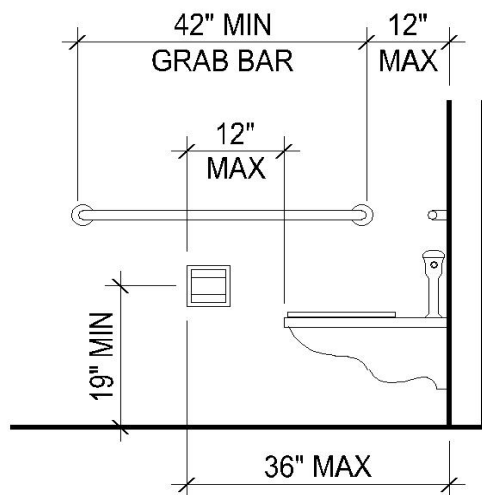
CBC 1115B.8

Accessories

15.36 Indicate toilet paper dispenser (TPD) located within 12" of the front edge of the WC, mounted below the grab bar, centered 19" min AFF, and 36" max to the far edge from the rear wall. TPDs that control delivery, or that do not permit continuous paper flow, shall not be used.

CBC 1115B.8.4,
CBC Fig. 11B-1A &
ADA Stds 4.16.6

Toilet tissue dispensers
Side elevation
Water closets - Dispensers



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Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 15. SANITARY FACILITIES

15.37	Indicate projection of dispensers and disposals (e.g. toilet paper dispenser, feminine tissue disposal) in accessible and ambulatory accessible compartment. Provide recess for installation and coordinate elevations, notes and specs.	CBC 1115B.8.3	Towel, sanitary napkin, waste receptacles, dispensers & controls
15.38	If dispensers and disposals are N.I.C., indicate dimensions of recess or compliant projection.	CBSC Part 1 4-317(b)	Plans
15.39	Indicate height of operable parts, including coin slots of dispensers, disposal containers and other equipment (at least one of each type), to be 40" max AFF.	CBC 1115B.8.3	Towel, sanitary napkins, waste receptacles, dispensers & controls
15.40	If medicine cabinets are provided, indicate at least one with a usable shelf at 44" max AFF. Indicate 30" x 48" clear floor space in front of the medicine cabinet allowing a forward or parallel approach.	CBC 1115B.8.2	Medicine cabinets
15.41	Indicate bottom of all mirrors at lavatories to be 40" max AFF to the bottom of the reflecting surface.	CBC 1115B.8.1	Mirrors
15.42	Provide soap dispenser within reach range of clear 30" x 48" user space at accessible lavatory/sink.	CBC 1115B.4.3 #3, CBC Fig. 11B-5C & CBC Fig. 11B-5D	Accessible lavatories Forward reach Side reach
15.43	Indicate size and location of waste bin in all floor plans; especially if waste bin is not in contract (N.I.C.) This provides owner with dimensional requirements for purchase or installation. Provide recessed space in case waste bin would protrude into any required clear floor space (consider doors, fixtures, accessories, circulation path, etc.).	CBSC Part 1 4-317(b)	Plans
LAVATORIES (LAVs)			
15.44	All LAVs must be made accessible.	CBC 1115B.4.3	Accessible lavatories
15.45	Provide and indicate 18" min from any adjacent side wall or partition to centerline of LAV	CBC 1115B.4.3 #2	Accessible lavatories

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

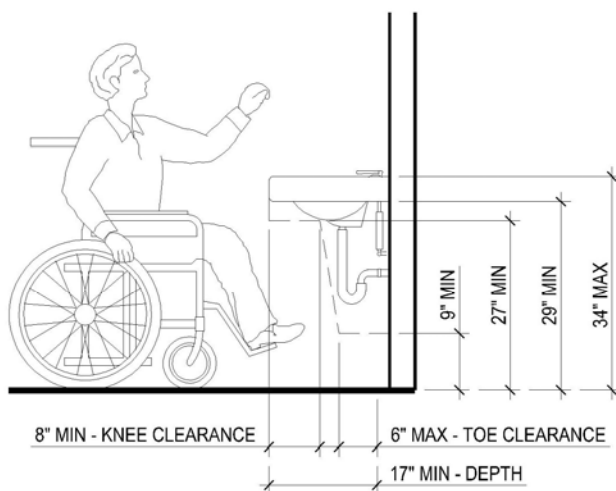
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Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 15. SANITARY FACILITIES

15.46 Provide enlarged side elevation indicating the following dimensions:

1. Rim or counter edge no higher than 34" AFF.
2. Apron to floor 29" min.
3. 27" min knee clearance (measured 8" min from front edge).
4. A maximum of 6" of the 48" clear floor space required at the fixture can extend into the minimum 9" high toe clearance.



LAVATORY CLEARANCES

CBC 1115B.4.3 #2,
CBC Fig. 11B-1D &
ADA Stds 4.19.2

ADA Stds Fig 31 &
CBC Fig. 11B-1D

Accessible lavatories
Knee clearance
Height and clearances

Lavatory clearances
Knee clearance

NOTE:

DSA may consider some lavatories protruding objects if they are located in the direct path of travel, or if a blind person would not expect them at this location.

15.47 Lav elevation must reflect actual fixture chosen. Specify fixture that is shown in plans.

CBSC Part 1
4-317(b)

Plans

15.48 Provide note on plan stating that all drainpipes and all hot water pipes accessible under lavatories must be insulated or otherwise covered.

CBC 1115B.4.3 #4

Accessible lavatories

15.49 Provide the following note on plan: "There shall be no sharp or abrasive surfaces under lavatories".

CBC 1115B.4.3 #4

Accessible lavatories

15.50 Paper towel dispenser/electrical dryer cannot protrude into the required 30" x 48" clear floor space.

CBC 1133B.8.6.1
CBC Fig 11B-7D

Protruding objects – General
Protection Around Wall-Mounted
Objects

URINALS

15.51 Where one or more urinals are provided, provide at least one wall hung accessible urinal and indicate the following:

1. Rim to be 17" max AFF.
2. Rim to project 14" to 17" from back wall.
3. Flush control at 44" max AFF.

CBC 1115B.4.2 #1

Accessible urinals

CBC 1115B.4.2 #2

Accessible urinals

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Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 15. SANITARY FACILITIES

- 15.52** Indicate 30" min clearance between walls or partitions that project 24" or less from the front edge of the 30" x 48" clear space.

CBC 1115B.4.2 #3
CBC 1118B.4

Accessible urinals
Clear floor or ground space for wheelchairs

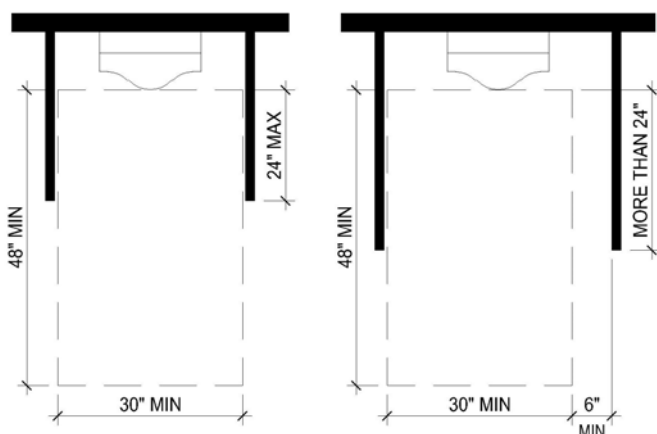
- 15.53** Indicate 36" min clearance between walls or partitions that project more than 24" from the front edge of the 30" x 48" clear space (alcove situation).

CBC Fig 11B-5A(a)

CBC 1115B.4.2 #3
CBC 1118B.4

CBC Fig 11B-5A(b)

Accessible urinals
Clear floor or ground space for wheelchairs



SHOWERS

- 15.54** Provide at least one accessible shower for each 100 (or fraction thereof) of total showers.

CBC 1115B.2 &
ADA Stds 4.23.8

Bathing and shower facilities
Bathing and shower facilities

- 15.55** Indicate size of shower stall to be either:

CBC 1115B.4.4.1

Sizes and clearances

1. Roll-in shower – 60" min width between wall surfaces and 30" min depth with a full opening width on the long side.
2. Alternate roll-in shower – 60" min width between wall surfaces and 36" min depth with an entrance opening width of 36" min.
3. Alternate roll-in shower with optional enclosure – 60" min width between wall surfaces and 36" min depth as long as the entrance opening width is a minimum 36".

CBC Fig 11B-2A

Shower Stalls

CBC Fig 11B-2B

Shower Stalls

CBC Fig 11B-2C

Shower Stalls

- 15.56** Provide the following shower accessories and indicate location and dimensions:

1. Single-lever faucet control.
2. Hand-held sprayer with hose
3. Folding seat.
4. Grab bars.
5. Soap dish.

CBC 1115B.4.4.4

Water controls

CBC 1115B.4.4.5

Hand-held sprayer unit

CBC 1115B.4.4.8 #1

Shower accessories

CBC 1115B.4.4.8 #2

Shower accessories

CBC 1115B.4.4.9

Soap dish

CBC 1115B.4.4.7

Floor slope

- 15.57** Indicate floor slope to be 2% max in any direction.

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Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 15. SANITARY FACILITIES

- 15.58** Thresholds in roll-in type showers shall be 1/2 inch high maximum and comply with 1124B.2.

CBC 1115B.4.4.2

Thresholds

BATHTUBS

- 15.59** Provide one accessible bathtub for each 100 (or fraction thereof) of total bathtubs.

CBC 1115B.2 &
ADA Stds 4.23.8

Bathing and shower facilities
Bathing and shower facilities

- 15.60** Indicate size of clear floor space in front of bathtub (in relation to long dimension of tub):

CBC 1115B.4.5 #1

Accessible bathtubs - Floor space

1. 48" x 60" for perpendicular approach at bathtub with seat in tub.
2. 30" x 60" for parallel approach at bathtub with seat in tub.
3. 30" x 75" for parallel approach at bathtub with seat at head of tub.

CBC Fig. 11B-8(a)

Clear floor space at bathtubs

CBC Fig. 11B-8(b)

Clear floor space at bathtubs

CBC Fig. 11B-8(c)

Clear floor space at bathtubs

- 15.61** Provide the following bathtub accessories and indicate location and dimensions:

CBC 1115B.4.5

Accessible bathtubs

1. Single-lever faucet control.

CBC 1115B.4.5 #4

Accessible bathtubs - Controls

2. Hand-held sprayer with hose.

CBC 1115B.4.5 #5

Accessible bathtubs - Shower unit

3. Seat.

CBC 1115B.4.5 #2 &
CBC Fig. 11B-8

Accessible bathtubs - Seat
Clear floor space at bathtubs

4. Grab bars.

CBC 1115B.4.5 #3 &
CBC Fig. 11B-9

Accessible bathtubs - Grab bars
Grab bars at bathtubs

LOCKER ROOMS IN BATHING FACILITIES

- 15.62** 1% of all lockers (but not less than 1) shall be made accessible.

CBC 1115B.8.5
ADA Stds 4.1.3(12)(a)

Lockers
Storage, shelving and display units

- 15.63** The accessible route of travel to accessible lockers shall be no less than 36" in clear width.

CBC 1115B.8.5

Lockers

- 15.64** Provide elevation and indicate heights of locks (at 48" max) and shelves (between 15" and 48").

CBC 1118B.5

Forward reach

- 15.65** Provide and indicate a bench or section of bench close to the accessible locker, measuring 24" deep, 48" wide, and 17" to 19" AFF, fixed to a wall along the longer dimension.

CBC 1117B.8
ADA Stds 4.35.4

Fitting and dressing rooms
Dressing, fitting, and locker rooms
- Bench

- 15.66** Provide and indicate a 60" square min clear space in front of the accessible bench section, located in such a manner to allow a person using a wheelchair to make a parallel transfer onto the bench.

CBC 1117B.8
ADA Stds 4.35.2

Fitting and dressing rooms
Dressing, fitting, and locker rooms
- Clear floor space

CHILDREN

- 15.67** Design and construction of toilet and bathing facilities primarily used by children should be adjusted to meet their accessibility needs. See Figure 15-A at the end of this Checklist for an updated table of suggested dimensions.

CBC 1115B.1.2 &
CBC Table 1115B-1

Where used by children
Suggested dimensions for children's use

A = Adult dimensions (age 12 and over)
E = Elementary school dimensions
K = Kindergarten and pre-school dimensions
FED = ADAAG dimensions for children age 12 and younger, shown for reference only.

ALTERNATIVE DIMENSIONS IN INCHES		A (Inches)	E (Inches)	K (Inches)	FED Children
a	Toilet centering from wall	18	15	12	12-18
b	Toilet seat height/dimensions to top of seat	17-19	15	11-12**	11-17
c	Grab bar height (centerline)	33	27	20-22	18-27
d	Toilet paper above floor (centerline)	19 min	-	-	14-19
e	Toilet paper in front of toilet	12 max	6 max	6 max	-
f	Napkin disposal in front of toilet	12 max	12 max	N/A	-
g	Dispenser height	40 max	36 max	32 max	-
h	Mirror height (to bottom of glass)	40 max	34 max**	32 max	34 max
i	Lavatory/sink top height	34 max	29 max	24 max	31 max
j	Lavatory apron clearance	29 min	-	-	24 min*
k	Lavatory/sink knee clearance	27 min	24 min	19 min	24 min*
l	Urinal lip height	17 max	15 max	13 min	-
m	Urinal, toilet flush handle height	44 max	36 max**	32 max	36 max
n	Drinking fountain bubbler height	36 max	30 max**	30 max	30 max
o	Drinking fountain knee clearance	27 min	24 min	22 min	-
p	Ramp/stair handrail height	34-38	27***	22***	28 max***
q	Fixed or built-in seating, table top height	28-34	-	-	26-30*
r	Fixed or built-in seating and table knee clearance	27 min	-	-	24 min*
s	Forward reach range (high)	48 max	-	-	36-44 max
t	Side reach range (high)	54 max	-	-	36-44 max
u	Forward reach range (low)	15 min	-	-	20-16 min
v	Side reach range (low)	9 min	-	-	20-16 min

* No ADAAG requirement if element is used primarily by children ages 5 and younger and if clear floor and parallel approach is provided.

** Change from CBC due to more restrictive federal standards (see GC 4450(b) and CBC §101.17.11).

*** In addition to adult rail. Maintain 9" minimum vertical clearance between upper and lower handrails to help prevent entrapment.

Fig 15-A. Alternative Dimensions for Children's Use

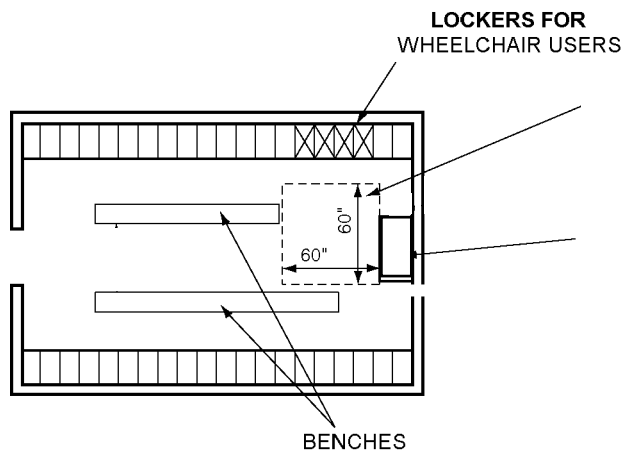


Fig 15-B. Locker Rooms

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 16. ALARMS

- 16.1** For general scoping requirements and exceptions see also **DSA-AC Checklist 1**. To be reviewed in coordination with Fire/Life/Safety.

ALARMS / EMERGENCY WARNING SYSTEMS

- 16.2** If emergency warning systems are provided, then they shall include both audible alarms and visual alarms complying with Section 907.9.1 and 907.9.2, NFPA 72 as amended in Chapter 35 of Title 24, and the ADA Stds.

EXCEPTION:

Emergency warning systems in medical care facilities may be modified to suit standard health care alarm design practice.

- 16.3** When installation of an emergency warning system is required in a building, provide names or numbers, and function (relevant to the occupancy type and use) for all rooms and areas.

- 16.4** Provide visual alarm notification appliances (strobe lights) in all public and common use areas and indicate location and intensity on plans. Public and common use areas include (but are not limited to) the following areas:

1. Toilet and bathing facilities.
2. Classrooms and locker rooms.
3. Band and music practice rooms.
4. Gymnasiums and multipurpose rooms.
5. Occupational shops.
6. Occupied rooms where ambient noise impairs hearing of the fire alarm.
7. Corridors, hallways, and lobbies.
8. Cafeterias, meeting and conference rooms.
9. Any rooms frequently used by persons with hearing impairments (such as HIP or speech therapy classrooms).
10. Filing, photocopy, and employee break rooms.
11. Dressing, examination, treatment rooms, and similar spaces that are not used solely as employee work areas.
12. Any other areas for common use.

- 16.5** Strobe lights must provide 75 candela min intensity @ 50'

- 16.6** Provide note or indicate on plan installation height of strobe light to be between 80" and 96" AFF or be at least 6" below the ceiling, whichever is lower.

- 16.7** No place in common corridors shall be more than 50' from the strobe light.

CBC 1114B.2.2

CBC 907.9.1
CBC 907.9.2
ADA Stds 4.1.3(14)

CBC 907.9.2

CBSC Part 1
4-317(b)

CBC 907.9.1.1
CBC 1102B
ADA Stds 4.28.1

ADA Stds 4.28.3(4)

ATBCB Bulletin

ADA Stds 4.28.3(8)

Alarms/emergency warning systems/accessibility
Visible alarms
Audible alarms
Accessible buildings: New construction

Audible alarms

Plans

Public and common use areas
Definitions
Alarms – General
See ATBCB Technical Bulletin at <http://www.access-board.gov/adaag/about/bulletins/alarms.htm>

DEFINITIONS:

COMMON-USE AREAS are those interior and exterior rooms, spaces, or elements that are made available for the use of a restricted group of people (for example, occupants of a homeless shelter, the occupants of an office building, or the guests of such occupants).

PUBLIC-USE AREAS are those interior or exterior rooms or spaces of a building that are made available to the general public and does not include common use areas. Public use areas may be provided at a building that is privately or publicly owned.

NOTE:

ADAAG requirements for alarm systems may be more stringent than those in CBC Ch 9 or NFPA

Visual alarms

Technical bulletin: Visual alarms

Visual alarms

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& Examples

Check List 16. ALARMS

16.8	In transient lodging facilities, when units and sleeping accommodations have visual alarms in place, the signal shall be visible in all areas of the unit or room.	CBC 907.9.1.3 CBC 1111B.4.5.1	Groups I-1 and R-1 Places of transient lodging - Visual alarms
	Visual alarm shall be connected to building emergency alarm system, or shall have a standard 110-volt electrical receptacle into which such an alarm can be connected and a means by which a signal from the building emergency alarm system can trigger such an auxiliary alarm.	ADA Stds 4.28.4 ATBCB Bulletin	Auxiliary alarms Technical bulletin: Visual alarms
16.9	Provide note or indicate on plan installation height of manual fire alarm boxes to be at 42" minimum to 48" maximum AFF to the highest point of the activating handle or lever.	CBC 907.3.2	Height
	EXCEPTION: Enforcement officials shall not retroactively require fire alarm initiating devices be relocated to a 42" minimum to 48" maximum height.		
16.10	All areas to be "strobed" shall have either a direct line of sight or its reflection from adjacent walls and ceiling must be of an intensity that will raise the overall light level sharply, but not so intense as to be unsafe for direct viewing at a specified mounting height.	ATBCB Bulletin	Technical bulletin: Visual alarms
16.11	Provide front and parallel approach at newly installed fire alarm initiating device.	CBC 1117B.6	Controls and operating mechanisms
16.12	Indicate accessible operating hardware at initiating device (i.e., not requiring tight grasping, pinching, or twisting of the wrist, and 5 lbf max force).	CBC 907.3.2 ADA Stds 4.27.4	Height Operation
16.13	Fire alarm initiating device must be located on an accessible route of travel.	CBC 1117B.6	Controls and operating mechanisms
16.14	Fire alarm initiating device cannot be located where a person using a wheelchair would be forced to reach over an obstruction greater than 10" deep.	CBC 1118B.6 CBC Fig 11B-5D(b)	Side reach High and low side reach limits
FIRE EXTINGUISHERS			
16.15	Provide clear floor space for forward or parallel approach at fire extinguishers and fire extinguisher cabinets.	CBC 1118B.4	Clear floor or ground space for wheelchairs
16.16	Height of fire extinguisher handle and fire extinguisher cabinet opening hardware to correspond with provided approach – 48" maximum for forward approach or 54" maximum for parallel approach.	CBC 1118B.5 CBC 1118B.6	Forward reach Side reach
16.17	Indicate accessible opening hardware at fire extinguisher cabinet (e.g., U-pull and 5 lbf max latch force).	CBC 1125B.4	Storage - Hardware

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Comments / Notes / Examples

Check List 17. SIGNAGE

17.1 For additional scoping requirements and exceptions see also applicable DSA-AC Checklist 1 .		NOTE: See Section 1111B.4.5 and Checklist 22 for additional requirements in motels, hotels and other residential occupancies.
17.2 Provide details and specs for all signs applicable to this project and indicate the provision/installation on site plans, floor plans and elevations.	CBSC Part 1 4-317(b)	Plans
17.3 Signs that are located on or at doors must be included in the door schedule, or provide a separate signage schedule which references the door mark for each sign.	CBSC Part 1 4-317(b)	Plans
17.4 Reference signage details for each door and indicate message (e.g., "TO EXIT", "GIRLS", "124", etc).	CBSC Part 1 4-317(b)	Plans
17.5 Provide and indicate detail(s) for the following sign(s):		
1. "Tow-away" signs at parking lot entrance (or at stall).	CBC 1129B.4	Identification of parking spaces for off-street parking facilities
2. Accessible parking signs, including van signs.	CBC 1129B.4	Identification of parking spaces for off-street parking facilities
3. International Symbol of Accessibility (ISA) at accessible passenger loading zones. See CBC Figure 11B-6.	CBC 1131B.2 #1	Passenger loading zones
4. International Symbol of Accessibility at all accessible entrances. See CBC Figure 11B-6.	CBC 1117B.5.8.1.2	Entrance signs
5. Directional signage at all inaccessible entrances, directing persons to the nearest accessible entrance.	CBC 1117B.5.8.1.2	Entrance signs
6. Assistive Listening System (ALS) sign indicating availability of ALS, posted in a prominent place. See CBC Figure 11B-14C.	CBC 1104B.2 #4	Assistive-listening systems in assembly areas - Signage
7. Raised letters, Grade 2 (contracted) Braille EXIT signs at all exit doors (in addition to the overhead/low-level illuminated exit signs).	CBC 1011.3	Tactile exit signs
8. California restroom symbols (circle/triangle) on door leaf.	CBC 1115B.6	Bathing and toilet facilities - Identification symbols
9. Restroom identification sign on wall including raised letters, Grade 2 (contracted) Braille, and if desired, a gender pictogram.	CBC 1117B.5.1 #1	Identification signs
10. International Symbol of Accessibility at accessible seating: aisle transfer seats, companion seats, and wheelchair spaces at bleachers are to each be identified by a sign or marker. Signage notifying patrons of the availability of such seats shall be posted at the ticket office.	CBC 1104B.3.4 #1, CBC 1117B.5.8.1 & DSA Policy 98-05	Auditoriums, assembly halls, theater and related facilities - Wheelchair spaces Symbols of accessibility Accessible seating in folding bleacher units
11. Area of refuge identification complying with 1117B.5.1 #2. Sign shall be illuminated when exit sign illumination is required. Additionally, tactile signage complying with 1117B.5.1 #1 shall be located at each door to an area of	CBC 1007.6.5	Areas of refuge - Identification

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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Check List 17. SIGNAGE

<p>refuge. Include evacuation instructions in each area of refuge.</p>		
<p>12. Volume control sign at telephones. See CBC Figure 11B-14B.</p>	<p>CBC 1117B.2.8</p>	<p>Telephone equipment for hearing Impaired persons</p>
<p>13. TTY identification signage and/or TTY directional signage. See CBC Figure 11B-14A.</p>	<p>CBC 1117B.2.9.2 #3 CBC 1117B.2.9.3</p>	<p>Text telephones – General Signage</p>
<p>14. Building directory or lobby signage informing building users that specific sanitary facilities and/or elevators are provided for public use.</p>	<p>CBC 1117B.5.8.1.3</p>	<p>Symbols of accessibility - Information posted</p>
<p>15. Warning signs at inaccessible exits indicating the closest accessible exit and signage indicating the direction to areas of refuge.</p>	<p>CBC 1133B.1.1.1.1 - Exception 2 & ADA Stds 4.3.11.5</p>	<p>Entrances and exterior ground floor exit doors Accessible route - Identification</p>
<p>16. Enclosed stairway signage.</p>	<p>CBC 1020.1.6.2 CBC 1133B.4.3</p>	<p>Tactile floor designation signs in stairways Tactile floor designation signs in stairways</p>
<p>17. Elevator and elevator lobby signage.</p>	<p>CBC 1116B.1.14</p>	<p>Elevators - Doorjamb marking</p>
<p>18. Platform lift signage.</p>	<p>CCR Title 8</p>	
<p>19. Evacuation plans.</p>	<p>CCR Title 19, §3.09</p>	<p>Emergency planning and information</p>
<p>20. No Smoking & Cleaner Air signage.</p>	<p>CBC 1117B.5.1 #2 CBC 1117B.5.11</p>	<p>Informational signs Cleaner air symbol</p>
<p>17.6 Indicate and specify materials, colors, and type styles to be used for all accessible signage (visual and tactile), according to the following criteria:</p>	<p>CBC 1117B.5 & ADA Stds 4.30</p>	<p>Signs and identification Signage</p>
<p>1. Except for reflective parking and traffic signs, all identification, informational and directional signs must have non-glare backgrounds and characters.</p>	<p>CBC 1117B.5.2 & ADA Stds 4.30.5</p>	<p>Finish and contrast Finish and contrast</p>
<p>2. Characters on signs shall have a width-to-height ratio of between 3:5 and 1:1 and a stroke width to height ratio of between 1:5 and 1:10.</p>	<p>CBC 1117B.5.3</p>	<p>Proportions</p>
<p>3. Characters and numbers on signs shall be sized according to the viewing distance from which they are to be read. The minimum height is measured using an upper case X. Lowercase characters are permitted. For signs suspended or projected above the finish floor in compliance with CBC Section 1133B.8.6, the min character height shall be 3".</p>	<p>CBC 1117B.5.4</p>	<p>Character height</p>
<p>4. Add specifications for visual characters as follows: Visual characters can be serif or sans serif and upper and lowercase characters may be used for visual characters.</p>	<p>CBC 1117B.5.4</p>	<p>Character height</p>
<p>5. On signs installed on poles or pylons, when the bottom edge of the sign is at less than 80 inches AFF, provide 0.125 inch radius corners and eased edges.</p>	<p>CBC 1133B.8.6.3</p>	<p>Protruding objects - Free-standing signs</p>

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Justification /
Reference
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Check List 17. SIGNAGE

17.7	Add specifications for tactile characters as follows: raised characters must use sans serif font, in all uppercase characters. Simple or heavy serif fonts of any kind are not allowed. Raised text characters must be accompanied by Grade 2 (contracted) Braille.	CBC 1117B.5.5 #1	Character type
17.8	Characters and Braille shall be in a horizontal format with Braille placed 3/8" min and 1/2" max directly below the tactile characters; flush left or centered. When text is multi-lined, all Braille shall be placed together below all lines of tactile text.	CBC 1117B.5.5 #4	Character placement
17.9	Braille dots within cells must be 1/10" O.C. Cells must be 2/10" apart. Measure cell distance from the center of top dot location of column two of the first cell to the center of top dot location of column one of the next cell on right, within the same word. Dots must be 1/40" high at dot apex. Braille dots shall be domed or rounded.	CBC 1117B.5.6	Braille
17.10	Indicate material and color descriptions and sample typestyles in plans as follows:	CBSC Part 1 4-317(b)	Plans
	1. Include color and material specifications for sign message backgrounds and characters to demonstrate minimum contrast and non-glare characteristics.	CBC 1117B.5.2	Finish and contrast
	2. Show 1" high examples of uppercase characters "I," "O," and "X", in chosen typestyle(s), indicating whether style is for tactile characters, visual characters, or both.		
17.11	Provide character and symbol size for all signs as follows:		
	1. On visual signs, size characters and symbols according to viewing distance. Signs mounted with bottom edge at or above 80" AFF must have 3" high min characters.	CBC 1117B.5.4	Character height
	2. On tactile signs, raised characters must be 5/8" to 2" high.	CBC 1117B.5.5 #2	Character size
	3. Pictorial symbols (pictograms) that identify rooms and spaces, such as gender pictograms for restrooms must be in a 6" min high field directly above accompanying raised text and Grade 2 (contracted) Braille. No characters or Braille in field.	CBC 1117B.5.5 #3	Pictorial symbol signs (pictograms) <u>NOTE:</u> Pictograms and other symbols, such as ISAs, which are included on signs with raised characters and Braille are not required to be raised.
17.12	Where size is dictated by code, specify exact sizes and material thickness. For instance, geometric symbol signs are 1/4" thick, and have 12" measurements.	CBSC Part 1 4-317(b)	Plans
17.13	For exterior wayfinding signs, determine all decision points on site, beginning at pedestrian entrances, bus stops, parking lots and drop off points, where accessible route of travel deviates from regular route. Specify and locate on plan directional or informational sign for each decision point so that steps do not have to be retraced. Sign must include ISA and appropriate	CBSC Part 1 4-317(b), CBC 1127B.3 & ADA Stds 4.30.3	Plans Exterior routes of travel - Signs Character height

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Check List 17. SIGNAGE

arrow and/or text. Determine appropriate size by distance from which sign will be viewed and mounting height of sign.

ISA must be white on Federal Blue background, with non-glare surface.

- 17.14** Place the International Symbol of Accessibility (ISA) at each accessible building entrance. Where all entrances are not accessible, place directional or informational sign so that steps do not need to be retraced, to direct from inaccessible to accessible entrances. Include ISA on sign along with appropriate arrow and/or text.

- 17.15** When interior accessible route of travel diverges from regular route, and when one is not immediately visible from the other, (for instance, elevator is not adjacent to stair or lift to stage platform is behind door) or when all facilities such as restrooms, drinking fountains, telephone equipment and ground floor exits are not accessible, specify and locate on plan informational and/or directional signs, to include appropriate Symbol of Accessibility and text such as "Restroom", "Elevator" or "TTY" along with brief text and arrows to indicate location of accessible elements. Locate signs at decision points so that steps will not have to be retraced.

- 17.16** Provide sign schedule to show identification of all permanent rooms and spaces, including restrooms and exits, with raised characters accompanied by Grade 2 (contracted) Braille, in compliance with standards for tactile character and Braille signs. Requirement applies to all such rooms and spaces whether entered from interior hallways, or by individual exterior entrances. Indicate on schedule any accompanying visual text and symbols or pictograms.

- 17.17** Specify appropriate tactile exit sign for each exit door. Use terminology established by California State Fire Marshal for tactile exit signs. For ground floor doors that exit to exterior, use "EXIT." For door leading directly into an exit stairway or ramp, use "EXIT STAIR (or RAMP) DOWN (or UP)" as appropriate. Each exit door that leads directly to a grade-level exterior exit by means of an exit enclosure or an exit passageway and each exit access door from an interior room or area that is required to have a visual exit sign shall be identified by a tactile exit sign with the words, "EXIT ROUTE." For horizontal exit (very rare) use "TO EXIT."

Show location of tactile exit signs and floor designation signs in stairways on plan - adjacent to appropriate door.

- 17.18** In buildings with more than one floor and with enclosed stairwells, include in sign schedule required tactile floor designation, accompanied by Grade 2 (contracted) Braille.

Show location of tactile exit signs and floor designation signs in stairways on plan - adjacent to appropriate door.

CBC 1117B.5.8.1.1

CBC 1117B.5.8.1.2

CBSC Part 1
4-317(b),
CBC 1117B.5.8.1.2 &
CBC 1117B.5.8.1.3

CBC 1117B.5.1 #1

CBC 1011.3

CBSC Part 1
4-317(b)

CBC 1020.1.6.2 &
CBC 1133B.4.3 &

CBSC Part 1
4-317(b)

Color of symbol

Entrance signs

NOTE:
The ISA, when included on a tactile sign, does not require any accompanying text, either visual or tactile.

Plans

Entrance signs
Information posted

Identification signs

Tactile exit signs

Plans

Tactile floor designation signs in stairways
Tactile floor designation signs in stairways

Plans

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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Comments / Notes / Examples

Check List 17. SIGNAGE

17.19 Provide drawings for identification signs as follows:

1. Show layout of typical sign indicating position of raised text in relationship to Braille and any other raised elements on sign, such as borders or frames. Indicate location of pictograms and symbols on tactile identification signs and geometric door signs as appropriate by providing scale drawings of each sign type.
2. Geometric symbol door signs for restrooms must contrast with door (dark on light or light on dark). For unisex door signs, triangle must contrast with circle, which must contrast with door. Entire background color of geometric symbol sign must contrast with door. It is not allowed to have a thin contrasting border around symbol, with remainder of sign background in a non-contrasting color. ISA, contrasting with background, may be on sign.
3. If a gender pictogram is desired on geometric symbol sign, it must be repeated above raised characters and Braille on tactile sign adjacent to door. ISA may be included on either tactile sign, next to gender pictogram, or may be only on geometric symbol sign, as desired. No raised text or Braille is to be included on geometric door sign.
4. For stair level sign at ground level, tactile 5-pointed star shall be placed to the left of floor number. All star points shall be of equal length, and star shall be same height as floor number (Braille translation for star is "Main").

CBSC Part 1
4-317(b) &
CBC 1117B.5

Plans
Signs and identification

CBC 1115B.6 &
CBC 1117B.5.8.1

Identification symbols
International symbol of
accessibility

CBC 1115B.6,
CBC 1117B.5.1 #1 &
CBC 1117B.5.5 #3

Identification symbols
Identification signs
Pictorial symbol signs

CBC 1133B.4.3

Tactile floor designation signs in
stairways

NOTE:
Do not confuse with 12" Fire Code sign required in all enclosed stairwells in buildings of four or more floors by Title 19. The 12" sign does not require raised characters or Braille, and shall not be located immediately adjacent to the door leading from stairwell into corridor.

17.20 Provide additional required signs on schedule as appropriate:

1. Locate accessible phone equipment on plan and specify appropriate Symbols of Accessibility, the TTY Symbol for text telephones, and the Volume Control Symbol for volume control phones. If there are banks of phones with no accessible equipment, indicate placement of sign that directs from those phones to accessible phones.
2. Determine if an assistive-listening system is required and specify appropriate informational sign with symbol. Locate signs at box office, lobby, entrance, or at administration building, as appropriate. More than one sign may be provided.
3. When buildings provide specific accessible elements such as restrooms and elevators for public use, post sign at entrance or in lobby informing of available features. Provide directional signage at inaccessible sanitary facilities indicating location of accessible sanitary facilities.

CBSC Part 1
4-317(b),
CBC 1117B.2.8 &
CBC 1117B.2.9.3

Plans
Telephone equipment for hearing
impaired persons
Text telephones - Signage

CBC 1104B.2 #4

Assistive-listening systems in
assembly areas - Signage

CBC 1117B.5.8.1.3

Symbols of accessibility -
Information posted

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Reference
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Comments / Notes / Examples

Check List 17. SIGNAGE

4. In buildings with more than one floor that has interior corridors, elevators and/or enclosed stairwells, evacuation plans are required. Locate these plans inside each main building entry, each elevator lobby, and in close vicinity of each door leading to enclosed stairwell.

- Evacuation plans are directional and informational and must conform to standards for visual signs. They must be non-glare, high contrast, and use readable text and symbols of appropriate size.
- Hotels and lodging houses must include evacuation plans in each room, and must provide evacuation information usable by persons with vision impairments.

CCR Title 19, §3.09

Emergency planning and information

CBC 1117B.5.1 #2

Directional and informational signs

CFC 408.8.1

Evacuation diagrams

17.21 Specify installation of signs and show location of signs on plan.

CBSC Part 1
4-317(b)

Plans

1. Informational and directional signs can be installed on walls, doors, posts, or in the interiors of buildings, projecting from walls or hanging from the ceiling in corridors, as long as the location will allow them to be easily found and read by persons with various disabilities.

- Specify location of TTY Symbol or Volume Control Symbol high enough so that another person can see the sign even when the telephone is in use.
- Specify location of International Symbol of Hearing Loss to indicate the availability of an assistive-listening system outside the entrance to the room where it can be used. In addition, place signage in lobbies, at ticket windows, or at entrances to offices that must be reserved for use by persons with hearing impairments.

CBC 1104B.2 #4

Assistive listening systems in assembly areas - Signage

2. Specify location of tactile signs as follows: Tactile signs must be installed adjacent to the specific door they identify, at 60" AFF to the centerline of the sign. Where permanent identification signs are provided for rooms and spaces, they shall be located on the approach side of the door as one enters the room or space. Signs that identify exits shall be located on the approach side of the door as one exits the room or space. Signs must not be installed behind obstructions, and the reader must be able to approach the sign within 3" without being hit by the swing of a door.

CBC 1117B.5.1 #1 &
CBC 1117B.5.7

Identification signs
Mounting location and height

3. Specify locations of evacuation plans so that the lower edge of the information sign is no more than 48" AFF.

CCR Title 19, §3.09

Emergency planning and information

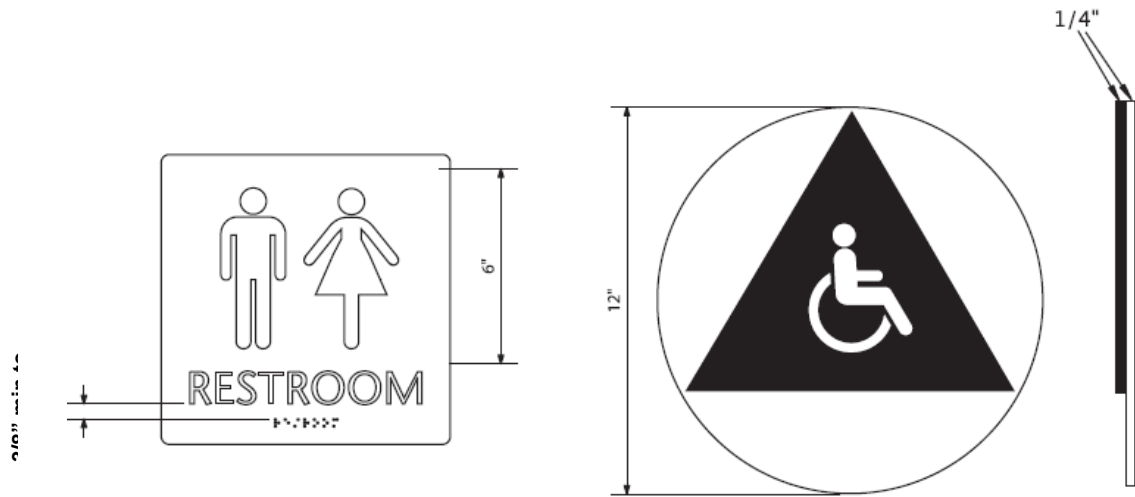


Fig 17-A. Tactile Restroom Signage and Contrasting Restroom Symbols for Unisex Restroom

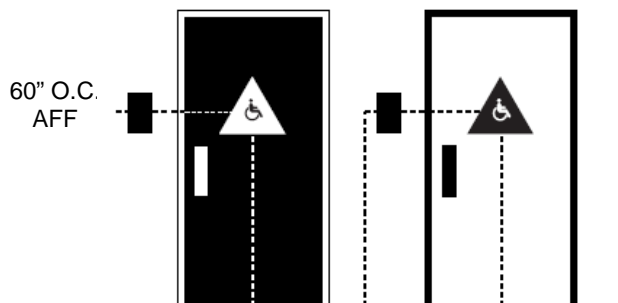


Fig 17-B. Contrasting Restroom Symbols Centered on Door Leaf at 60" O.C. AFF

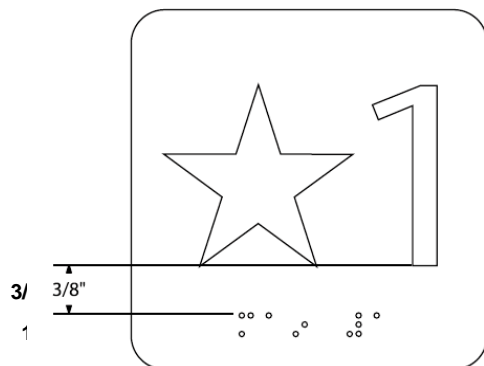


Fig 17-C. Tactile Stair Identification Sign with Exit Discharge Level Star

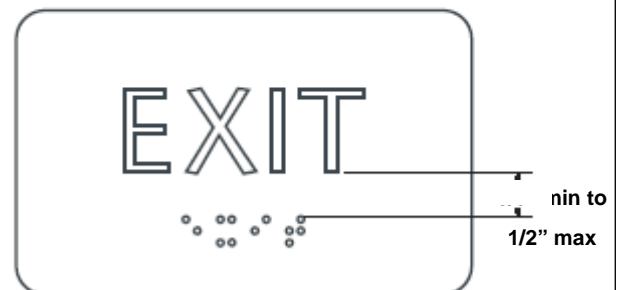
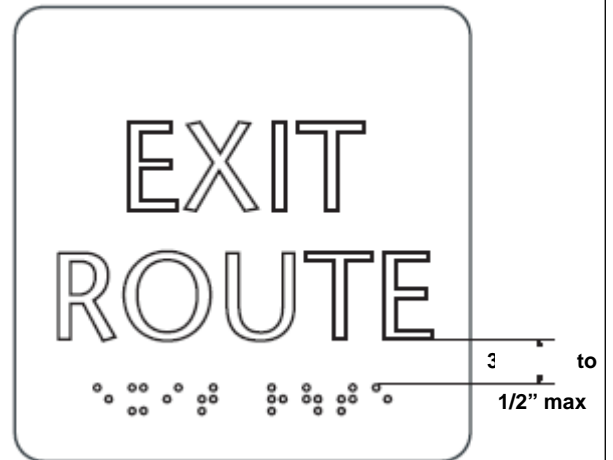


Fig 17-D. Tactile Exit Route and Exit Signs

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 18. ASSEMBLY USE AREAS

18.1 For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

18.2 For the purpose of Access Compliance review only: Regardless of occupancy load or classification, the requirements of CBC 1104B are not limited to Group A classified facilities or portions of facilities but do also apply to any facility or portion of facility which is used, either full-time or part-time, or can be characterized as an assembly area.

CBC 1105B.2
ADA Stds 3.5

Group B Occupancies
Definitions

DEFINITION:

ASSEMBLY AREA: A room or space accommodating a group of individuals for recreational, educational, political, social, civic, or amusement purposes, or for the consumption of food and drink.

ASSISTIVE LISTENING SYSTEMS (ALS)

CBC 1104B.2

18.3 Provide and indicate an ALS in all assembly areas, conference rooms, and meeting areas that are affected by project scope, whether device is in this contract or provided by the owner.

CBC 1104B.2

Assistive-listening systems in
assembly areas

NOTE:

If ALS is N.I.C. or to be provided by owner, state so on the plan and provide specs for equipment.

18.4 Provide and indicate a permanently installed assistive-listening system in space/room if:

CBC 1104B.2 #6
ADA Stds 4.1.3(19)(b)

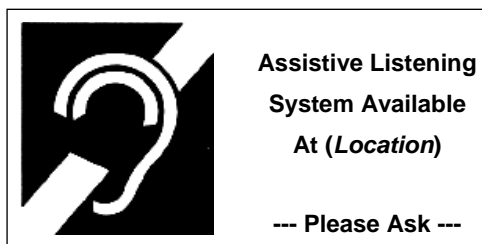
Permanent and portable systems
Assembly areas

1. The space/room accommodates at least 50 persons, or has an audio-amplification system, and
2. The space/room has fixed seating.

18.5 Indicate location of ALS sign(s) on plan for each space/room required to be equipped with an ALS and indicate text. This requirement applies even if the system is N.I.C.

CBC 1104B.2 #4
CBSC Part 1
4-317(b)

Signage
Plans



18.6 Reference detail of ALS signage.

CBSC Part 1
4-317(b)

Plans

18.7 Provide ratio table for each space/room, indicating total number of seats and number of personal receivers required (4% min but never less than 2 receivers).

CBSC Part 1
4-317(b)
CBC 1104B.2 #1

Plans

Number of personal receivers
required

18.8 Specify type of ALS even if the system is N.I.C. (See <http://www.access-board.gov/adaag/about/bulletins/als-index.htm> for an explanation of the different types available.)

CBC 1104B.2 #2

Types of listening systems

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 18. ASSEMBLY USE AREAS

AUDITORIUMS, ASSEMBLY HALLS, THEATERS AND RELATED FACILITIES

- 18.9** Provide a seating layout plan showing individual seats or dimensioned benches/bleachers.
- 18.10** Where fixed or semi-permanent seating is provided identify on seating layout plan the location of:
1. Wheelchair spaces (show 33" x 48" or 33" x 60")
 2. Companion seats (e.g., mark seat with a "C")
 3. Semi-ambulant seats (e.g., mark seat with an "S")
 4. Transfer or aisle seats (e.g., mark seat with a "T")
- 18.11** Indicate the total number of seats and number of wheelchair spaces, companion seats, semi-ambulant seats and transfer seats.

Seating Capacity	W	C	S	T	ALS Receiver
4 to 26	1	1	2	1	2
27 to 50	2	2	2	1	2
51 to 100	4	4	2	1	4%
101 to 200	4	4	2	1%	4%
201 to 300	4	4	1%	1%	4%
301 to 500	6	6	1%	1%	4%
501+	6+1 per add'l 100 seats over 500	6+1 per add'l 100 seats over 500	1%	1%	4%

- 18.12** Indicate slope at wheelchair space to be 2% max in any direction.
- 18.13** Indicate size of wheelchair space to be:
1. 33" x 48" for front or rear access.
 2. 33" x 60" for side access.
- 18.14** Provide detail (1/4" scale) of area showing all relevant dimensions, including wheelchair maneuvering space, all adjacent slopes and level changes, required egress, and accessible routes of travel.
- 18.15** Provide additional space in front or behind designated wheelchair space to ensure safe and convenient access and egress for persons using wheelchairs and the general public.

CBC 1104B.3

CBSC Part 1
4-317(b)

CBC 1104B.3.5

CBC 1104B.3.4

CBC 1104B.3.5

CBC 1104B.3.8

CBC 1104B.3.4

CBC 1104B.3.4

CBC 1104B.3.5

CBC 1104B.3.8

Plans

Placement of wheelchair locations

Wheelchair spaces

Placement of wheelchair locations

Seating for semi-ambulant individuals

Wheelchair spaces

Wheelchair spaces

Placement of wheelchair locations

Seating for semi-ambulant individuals

NOTE:

Companion seats cannot be included in the count for semi-ambulant seats.

CBC 1104B.3.4 #3

CBC 1104B.3.6 &
CBC Fig. 11B-15

CBSC Part 1
4-317(b)

CBC 1104B.3.6
CBC 1104B.3.9

Wheelchair spaces

Size of wheelchair location
Location

Plans

Size of wheelchair location
Life safety

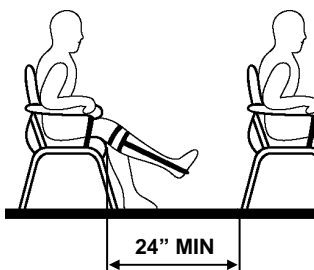
Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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Headings / Comments / Notes
& Examples

Check List 18. ASSEMBLY USE AREAS

- 18.16** Semi-ambulant seating must provide 24" clear leg room from the front edge of the seat to the nearest obstruction.



CBC 1104B.3.8

Seating for semi-ambulant individuals

- 18.17** In existing facilities where site constraints exist, provide a reasonable portion of transfer seats on or adjacent to a wheelchair accessible POT.

CBC 1104B.3.4 #1

Wheelchair spaces

- 18.18** Indicate 1% (but not less than one) of all fixed seats to be aisle seats with no armrests on the aisle side, or removable or folding armrest on the aisle side.

CBC 1104B.3.4 #1

Wheelchair spaces

1. Indicate an identifying sign or marker (ISA) to be installed at each seat.
2. Indicate signage to be provided at ticket office notifying patrons that such seating is available.

NOTE:
Transfer seats are intended to facilitate seating of wheelchair users who wish to transfer to existing seating during an event when fixed seating is provided. Many persons who use wheelchairs are able to transfer to fixed seating with this relatively minor modification.

- 18.19** Where total seating capacity exceeds 300, provide accessible wheelchair seating in more than one location.

CBC 1104B.3.5

Placement of wheelchair locations

- 18.20** Arrange seating layout to provide integral seating for persons using wheelchairs and their companions (shoulder to shoulder).

CBC 1104B.3.5

Placement of wheelchair locations

- 18.21** Arrange seating layout to provide choice of admission prices and lines-of-sight for people using wheelchairs and their companions.

CBC 1104B.3.3
ADA Stds. 4.33.3

Variety of locations
Placement of wheelchair locations

- 18.22** Provide elevation or section to indicate how lines-of-sight requirement is met.

CBSC Part 1
4-317(b) &
CBC 1104B.3.5

Plans
Placement of wheelchair locations

- 18.23** If removable seats are planned, indicate on plan assigned storage space for removable seats.

CBSC Part 1
4-317(b)

Plans
NOTE:
Public entities must keep wheelchair spaces free from removable seats in all but the most unusual cases (e.g., if an event is sold out and there were no requests for wheelchair spaces, removable seats can be installed and sold to non-disabled patrons).

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Headings / Comments / Notes
& Examples

Check List 18. ASSEMBLY USE AREAS

18.24	Provide and indicate accessible routes of travel from wheelchair seating locations to performing areas, including stages, arena floors, dressing rooms, locker rooms and other spaces used by performers, and public restrooms.	CBSC Part 1 4-317(b), CBC 1104B.3.10 & CBC 1104B.3.13	Plans Access to performing areas Miscellaneous areas
18.25	Stages, enclosed and unenclosed platforms, orchestra pits and preparation areas must be made accessible. EXCEPTION: a. When DSA finds that requiring compliance for an enclosed or unenclosed platform or depressed area not more than 24" above or below an adjacent accessible level, would create an unreasonable hardship, the enclosed and unenclosed platform or depressed area must be made accessible by a portable ramp with a slope not exceeding 8.3%. b. In existing buildings, when DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided.	CBC 1104B.3.11	Stages, enclosed and unenclosed platforms, and orchestra pits
18.26	Employee and customer sides of all ticket booths and of refreshment and concession stands must be made accessible.	CBC 1104B.3.12	Ticket booths
18.27	Provide enlarged detail and elevations for ticket booth, and refreshment and concession stands.	CBSC Part 1 4-317(b)	Plans
18.28	Provide signage at ticket office that notifies customers of the availability of the different types of accessible seating and assistive listening devices.	ADA Stds 4.1.3(19)(a), CBC 1104B.3.4 #1& CBC 1104B.2 #4	Assembly areas Wheelchair spaces Signage
18.29	In outdoor assembly use areas (e.g. amphitheater type seating on turf) provide and indicate required ratio of wheelchair and companion seat spaces, located on an accessible path.	CBC 1104B.3.4 & CBC 1104B.3.5	Wheelchair spaces Placement of wheelchair locations
18.30	In amphitheaters, provide warning curb or rails where abrupt changes in level between the accessible route of travel and adjacent seating areas exceed 4" in height.	CBC 1133B.8.1	Warning curbs
18.31	Provide guards, walls, or fences (42" min high) at all elevated seating areas that are more than 30" above the ground. Guards at the front of the front row of seats that are not located at the end of an aisle and where there is no cross aisle may have a minimum height of 26" where the fascia or railing would interfere with sightlines.	CBC 1013 CBC 1025.14 CBC 1024.14.2	Guards Assembly guards Sightline-constrained guard heights

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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Reference
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& Examples

Check List 18. ASSEMBLY USE AREAS

STADIUMS, GRANDSTANDS, BLEACHERS, ATHLETIC PAVILIONS, GYMNASIUMS AND MISCELLANEOUS SPORT-RELATED FACILITIES

18.32 Accessible seating for stadiums, grandstands, bleachers, athletic pavilions, gymnasiums and miscellaneous sport related facilities must comply with 1104B.3 and items **18.9 through 18.31** of this Checklist.

EXCEPTION:

At folding bleachers where wheelchair spaces are provided by a cut back in the first rows, and when DSA finds that integrated companion fixed seats cannot be obtained, the following design will be accepted:

- Provide a 24"x48" clear space for companion seating next to each 33"x48" wheelchair space, with identifying signage on the companion seat.
- Provide an ISA on the floor or on the front face of the lowest bleacher row in front of space to identify the wheelchair space.
- The number of wheelchair accessible seats must be dispersed equally for each side (home and visitors) and cannot be clustered into one location for each side.

18.33 Employee and customer sides of all ticket booths and of refreshment and concession stands must be made accessible.

18.34 Provide enlarged detail and elevations for ticket booth, and refreshment and concession stands.

18.35 Provide signage at ticket office that notifies customers of the availability of the different types of accessible seating and assistive listening devices.

18.36 Provide and indicate an accessible route of travel to all participation and activity areas, including the following:

1. Tennis, racquetball and handball courts.
2. Gymnasium floor areas and general exercise rooms.
3. Basketball, volleyball and badminton courts, and bowling lanes.
4. Swimming pool deck areas and swimming pools.
5. Athletic team rooms and facilities, playing fields and running tracks.
6. Club rooms (home and guest).
7. Sanitary and locker facilities (home and guest).
8. Baseball/softball player dugout.

CBC 1104B.4

CBC 1104B.4.1

DSA Policy 98-05

CBC 1104B.3.12 &
28 CFR §35.149

CBSC Part 1
4-317(b)

CBC 1104B.3.4 &
CBC 1104B.2 #4

CBC 1104B.4.3

CBC 1104B.4.3 #1

CBC 1104B.4.3 #2

CBC 1104B.4.3 #3

CBC 1104B.4.3 #4

CBC 1104B.4.3 #5

CBC 1104B.4.4

CBC 1104B.4.5

CBC 1104B.4.3

Spectator seating

Accessible seating in folding
bleacher units

Ticket booths
Program accessibility:
Discrimination prohibited

Plans

Wheelchair spaces
Signage

Participation areas

Participation areas

Participation areas

Participation areas

Participation areas

Participation areas

Clubroom

Sanitary and locker facilities

Participation areas

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 18. ASSEMBLY USE AREAS

18.37	Provide pool lift with rigid seat and arm rests or ramp to assist persons with disabilities to access and egress the swimming pool independently.	CBC 1104B.4.3 #4	Participation areas
18.38	General exception applicable to sanitary & locker facilities, covered by CBC 1104B.4: 1. When DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation through the use of other methods or materials is provided. 2. In existing buildings, when DSA determines that compliance would create an unreasonable hardship, an exception may be granted when all of the following minimum conditions are met: A. 1% of total seats are to be accessible if the seating capacity does not exceed 5,000. When the capacity exceeds 5,000, one additional seat for each 2,000 seats provided over 5,000 are to be accessible. B. Sanitary facilities, ticket booths, clubrooms, concession stands and refreshment facilities are accessible. C. One of each type of participation area is usable and accessible.	CBC 1104B.4.5	Sanitary and locker facilities
18.39	Provide vertical access to press boxes, announcer booths and similar facilities.	CBC 1114B.1.2 ADA Stds 4.1.3(1)	Accessible route of travel Accessible buildings
18.40	Provide guards, walls, or fences (42" min high) at all elevated seating areas that are more than 30" above the ground. Guards at the front of the front row of seats that are not located at the end of an aisle and where there is no cross aisle may have a minimum height of 26" where the fascia or railing would interfere with sightlines.	CBC 1013 CBC 1025.14 CBC 1024.14.2	Guards Assembly guards Sightline-constrained guard heights

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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Headings / Comments / Notes
& Examples

Check List 18. ASSEMBLY USE AREAS

DINING, BANQUET AND BAR FACILITIES

- 18.41** All areas where each type of functional activity occurs must be made accessible.

EXCEPTIONS:

- a. In alteration projects, where DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided.
- b. In alteration projects, when legal or physical constraints would not allow compliance with these regulations or equivalent facilitation without creating an unreasonable hardship.

- 18.42** All floors, levels, and mezzanines of dining areas must be made accessible.

EXCEPTION:

In alteration projects, where DSA determines that compliance would create an unreasonable hardship, an exception is granted provided that:

- A minimum of 75% of the dining, banquet and bar area is on a common level or connected by pedestrian ramps, passenger elevators or special access lifts, and
- The same services and decor are provided in an accessible space usable by the general public and are not restricted to use by persons with disabilities.

- 18.43** Provide and indicate one 30" x 48" clear wheelchair seating space for each 20 seats per functional area.

- 18.44** Provide enlarged detail and elevations of accessible section of fixed tables and counters. Indicate

1. Surface top to be 28" min and 34" max AFF.
2. Knee clearance at bars, counters, and tables must be at least 27" high x 30" wide x 19" deep.
3. The accessible portion of the counter must be 60" min in length when food or drink is served at counters exceeding 34" in height for consumption by customers sitting on stools or standing.

- 18.45** Provide and indicate adequate maneuvering and passing space behind each wheelchair seating space.

CBC 1104B.5

CBC 1104B.5 #3
ADA Stds 5.1

CBC 1104B.5 #3
CBC 1120B.1
CBC 1120B.2

CBC 1104B.5 #4

CBSC Part 1
4-317(b) &
CBC 1122B

CBC 1122B

CBC 1104B.5 #4

CBSC Part 1
4-317(b)
CBC Fig 11B-13

Functional activity
General

NOTE:
Jurisdictional findings and determinations for exception (b) are subject to an internal DSA appeals process.

Functional activity
Floors within each story
Floor surface

Seating

Plans

Fixed or built-In seating, tables and counters

Fixed or built-In seating, tables and counters

Seating

Plans

Minimum clearances for seating and table

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
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Headings / Comments / Notes
& Examples

Check List 18. ASSEMBLY USE AREAS

18.46	Wheelchair space must be integrated with general seating.	CBC 1104B.5 #4	Seating
18.47	Provide 36" clear width accessible route of travel to wheelchair seating space.	CBC 1104B.5 #4	Seating
18.48	Provide and indicate 36" min wide (42" preferred) food service aisles.	CBC 1104B.5 #5	Food service aisles
18.49	At food service aisles, provide and indicate all tray slides to be 34" max AFF.	CBC 1104B.5 #5 CBC Fig. 11B-16	Food service aisles Food service lines
18.50	Provide and indicate at least 50% of each type self-service shelves to be within reach ranges.	CBC 1104B.5 #5 CBC Fig. 11B-5C CBC Fig. 11B-5D	Food service aisles Forward reach Side reach
18.51	Indicate reach range dimensions for self-service tableware, dishware, condiments, food and beverage display shelves, and dispensing devices.	CBC 1104B.5 #6 CBC Fig. 11B-17	Tableware areas Tableware areas
18.52	Provide and indicate accessible doors to all food preparation areas.	CBC 1104B.5 #8	Food preparation areas
18.53	All toilets, locker and powder rooms, including those serving employees, must be made accessible.	CBC 1104B.5 #7	Restrooms
RELIGIOUS FACILITIES		CBC 1104B.6	
18.54	Provide and indicate access to sanctuaries, assembly areas, platforms, choir rooms, performing areas, and sanitary facilities. EXCEPTION: In alteration projects, where DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided.	CBC 1104B.6.1 & CBC 1104B.6.2	General Sanctuary
18.55	Provide and indicate access to raised platforms, choir rooms, choir lofts, performing areas, and other similar areas. EXCEPTION: In alteration projects, where DSA determines that compliance would create an unreasonable hardship, an exception may be granted.	CBC 1104B.6.2.2	Sanctuary – wheelchair access
18.56	Provide and indicate accessible doors to all classrooms and offices.	CBC 1104B.6.4	Classrooms and offices

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 19. BUSINESS AND MERCANTILE USE AREAS

19.1 For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

19.2 For the purpose of Access Compliance review only: Regardless of occupancy load or classification, the requirements of CBC 1105B and 1110B are not limited to Group B and M facilities or portions of facilities but do also apply to any facility or portion of facility which is used, either full-time or part-time, or can be characterized as a business or mercantile area.

OFFICE BUILDINGS, PERSONAL AND PUBLIC SERVICE FACILITIES

19.3 The following areas in business and professional office facilities must be accessible:

1. Client, visitor, office areas and related toilet facilities.
2. Conference rooms, counseling rooms or cubicles and similar areas.
3. Employee work areas must have 36" clear width access.
4. Professional medical and dental offices (see also **Checklist 21** for additional requirements.)

CBC 1105B.3.2

Business & professional offices

CBC 1105B.3.2 #1

Business & professional offices

CBC 1105B.3.2 #2

Business & professional offices

CBC 1105B.3.2 #3

Business & professional offices

CBC 1105B.3.2 #4

Business & professional offices

19.4 The following areas in personal and public service facilities areas must be accessible:

1. Client, visitor, office areas, and related toilet facilities.
2. Employee work areas must have 36" clear width access.
3. Automated teller machines used by a financial institution and its customers for the primary purposes of executing financial transactions.

CBC 1105B.3.3

Personal and public service facilities

CBC 1105B.3.3 #1

Personal and public service facilities

CBC 1105B.3.3 #2

Personal and public service facilities

CBC 1105B.3.3 #3

Personal and public service facilities

19.5 The following areas in public utility facilities must be accessible:

1. Office areas, meeting rooms and similar areas, and related toilet rooms.
2. Public tour areas, to the extent that such public tours are conducted through or about a facility, or where the public is permitted to walk in such areas.

CBC 1105B.3.4

Public utility facilities

CBC 1105B.3.4 #1

Public utility facilities

CBC 1105B.3.4 #2

Public utility facilities - public tour areas

EXCEPTIONS:

- a. Facilities located in operational areas which would not have any reasonable availability to or usage by persons who use wheelchairs for mobility are not subject to the wheelchair accessibility requirements.
- b. When DSA determines that compliance would create an unreasonable hardship, an exception may be

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 19. BUSINESS AND MERCANTILE USE AREAS

granted when equivalent facilitation is provided.		
3. Visitors overlook facilities, orientation areas and similar public use areas, and any sanitary facilities that serve these facilities.	CBC 1105B.3.4 #3	Public utility facilities
4. Where public parking is provided, parking spaces shall be provided for persons with disabilities.	CBC 1105B.3.4 #4	Public utility facilities
19.6 The following areas in police department, law enforcement, fire department facilities and courtrooms must be accessible:	CBC 1105B.3.5	Police department, law enforcement, fire department facilities and courtrooms
1. Office areas, conference rooms, classrooms, dormitories, dispatch rooms and similar areas, along with related sanitary facilities.	CBC 1105B.3.5 #1	
2. Detention area visitor rooms.	CBC 1105B.3.5 #2	
3. At least one detention cell facility (with supporting sanitary facilities).	CBC 1105B.3.5 #3	
4. Courtroom areas, including the judge's chambers and bench, counsel tables, jury box, witness stand and public seating area.	CBC 1105B.3.5 #4	
SALES ESTABLISHMENTS		
19.7 General sales, display, and office areas, along with related sanitary facilities must be accessible.	CBC 1110B.1.1	General areas
19.8 Provide wheelchair access to sales employee work stations and customer sides of sales or checkout stations.	CBC 1110B.1.2	Work areas
19.9 Provide and indicate the top of required accessible sales and service counters, teller windows, and information counters to be 28" min and 34" max AFF for a length of 36" min on the customer side.	CBC 1122B.5	Sales and service counters, teller windows and information counters
EXCEPTIONS:		
a. Where seated service is provided, for example in banks, insurance offices, travel agencies, etc, counters and fixed tables must provide knee and toe clearances.		
b. At check stands (see CBC 1110B.1.3 for requirements).		
19.10 Theft-prevention barriers and any device used to prevent the removal of shopping carts from store premises cannot limit access or egress to people in wheelchairs. Provide accessible entry that is equally convenient to that provided for the general public.	CBC 1110B.1.6	Theft-prevention barriers
19.11 Provide and indicate 5% but never less than one accessible fitting or dressing room for each type of use in each cluster of dressing rooms.	CBC 1117B.8	Fitting and dressing rooms
19.12 Identify type of use of each dressing room on floor plan (e.g., customer, staff, male, female, family, etc).	CBSC Part 1 4-317(b)	Plans

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 19. BUSINESS AND MERCANTILE USE AREAS

<p>19.13 Provide enlarged plan and elevations for accessible dressing rooms and indicate the following:</p> <ol style="list-style-type: none"> 1. Accessible door or curtain. 2. Full-length mirror, 18" min wide x 54" min high, bottom at 20" max AFF, and positioned to afford a view to a person on the bench as well as to a person standing. 3. Clothing hook at 48" max AFF. 4. Bench or section of bench measuring 24" deep, 48" wide, and 17" to 19" high, and fixed to a wall along the longer dimension. 5. 60" x 60" clear space in front of the accessible bench section, located in such a manner to allow a person using a wheelchair to make a parallel transfer onto the bench. (Door cannot swing into this clear space.) 6. Provide ISA on outside of door to accessible dressing room. 	<p>CBSC Part 1 4-317(b) & CBC 1117B.8</p>	<p>Plans</p> <p>Fitting and dressing rooms</p>
<p>19.14 Provide and indicate the following minimum circulation aisle and pedestrian way widths at all areas with fixed displays:</p> <ol style="list-style-type: none"> 1. 36" min if displays and similar fixtures or equipment are placed on only one side of the aisle. 2. 44" min if displays and similar fixtures or equipment are placed on both sides of the aisle. 	<p>CBC 1014.4.1, CBC 1105B.3.6 #1, CBC 1110B.2.1 & CBC 1133B.6.2</p>	<p>Aisles in Groups B and M Miscellaneous general standards Circulation Width</p>
<p>19.15 Provide and indicate the following minimum circulation aisle and pedestrian way widths at all areas with non-fixed displays or displays that are N.I.C. to inform the owner of aisle width requirements at displays:</p> <ol style="list-style-type: none"> 1. 36" min if displays and similar fixtures or equipment are placed on only one side of the aisle. 2. 44" min if displays and similar fixtures or equipment are placed on both sides of the aisle. 	<p>CBC 1014.4.1, CBC 1105B.3.6 #1, CBC 1110B.2.1 & CBC 1133B.6.2</p>	<p>Aisles in Groups B and M Miscellaneous general standards Circulation Width</p>
<p>19.16 Provide and indicate 32" min clear door opening at all storage areas.</p>	<p>CBC 1105B.3.6 #2 & CBC 1110B.2.2</p>	<p>Storage areas Storage areas</p>

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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Headings / Comments / Notes
& Examples

Check List 20. EDUCATIONAL USE AREAS

20.1	For additional scoping requirements and exceptions see also applicable DSA-AC Checklist 1 .		
20.2	For the purpose of Access Compliance review only: Regardless of occupancy load or classification, the requirements of CBC 1106B are not limited to Group E facilities or portions of facilities but do also apply to any facility or portion of facility which is used, either full-time or part-time, or can be characterized as an educational use area.		
20.3	<p>All laboratories, prep rooms, dark rooms, computer rooms, equipment rooms, teaching facility cubicles, study carrels, libraries, and similar areas must be made accessible.</p> <p>EXCEPTIONS:</p> <ul style="list-style-type: none"> a. In existing buildings where DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided. b. In existing buildings where DSA determines that, due to legal or physical constraints, compliance with building standards requirements or equivalent facilitation would create an unreasonable hardship. 	CBC 1106B.1	<p>Group E Occupancies - General</p> <p>NOTE: Jurisdictional findings and determinations for exception (b) are subject to an internal DSA appeals process.</p>
LABORATORIES (Labs)			
20.4	Provide and indicate 5%, but never less than one accessible workstation of each type of use in labs, science, home economics and other similar specialized classrooms.	CBC 1106B.2 ADA Stds. 4.1.3(18)	Laboratory rooms
20.5	<p>Provide and indicate 5%, but never less than one accessible workstation of each type of use in laboratory preparation rooms, supply rooms, dry rooms, cold rooms, walk-in freezers, sterile rooms, small research laboratories, and areas containing specialized equipment.</p> <p>EXCEPTION:</p> <p>Where DSA determines that compliance would create an unreasonable hardship, such facilities need not be made fully accessible, except that a clear accessible path of travel must be maintained into such rooms.</p>	CBC 1106B.3	Teaching facility cubicles, study carrels, etc.
20.6	Provide and indicate at least one of each type of sink and other specialized equipment such as fume hoods, microscopes, emergency eyewash and showers, etc, associated with the special use activity to be accessible.	CBC 1106B.3	Teaching facility cubicles, study carrels, etc.
20.7	Provide and indicate at least one teaching or demonstration station of each type to be accessible.	CBC 1106B.3	Teaching facility cubicles, study carrels, etc.
20.8	<p>Provide floor plan and indicate:</p> <ol style="list-style-type: none"> 1. All workstations and equipment. 2. 30" x 48" clear space at each accessible workstation and at accessible equipment. 	<p>CBSC Part 1 4-317(b)</p> <p>CBC 1106B.2</p>	<p>Plans</p> <p>Laboratory rooms</p>

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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Check List 20. EDUCATIONAL USE AREAS

<p>3. Aisle width, maneuvering and turning clearances from room entry to all accessible elements.</p>	<p>CBC 1114B.1.1 CBC 1106B</p>	<p>Facility accessibility – General Accessibility for Group E Occupancies</p>
<p>20.9 Provide and indicate knee clearance at workstation or equipment: 27" high, 30" wide, and 19" deep min.</p>	<p>CBC 1122B.3</p>	<p>Knee clearance</p>
<p>20.10 Provide and indicate height of accessible work surface depending on the type of use between 28" and 34" AFF.</p>	<p>CBC 1122B.4 ADA Stds. 4.32.4</p>	<p>Height of work surfaces Height of tables or counters</p>
<p>20.11 Provide elevation or manufacturer's cut sheet for accessible fume hood indicating knee clearance and height of operable parts and controls to be 48" max AFF.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p>20.12 Provide elevation or manufacturer's cut sheet for accessible emergency shower indicating height of operable parts and controls (e.g., pull-handle) to be 48" max AFF.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p>20.13 Provide elevation or manufacturer's cut sheet for accessible emergency eyewash indicating centerline of bubbler to be 36" max AFF.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p>20.14 Indicate 48" min aisle width for sink back-up space.</p>	<p>CBC 1118B.4 #1 CBC Fig 11B-13</p>	<p>Clear floor or ground space for wheelchairs - Size and approach Minimum clearances for seating and table</p>
<p>20.15 Provide and indicate reach range dimensions for gas/air/water outlets over an obstruction.</p>	<p>CBC 1118B.5 CBC Fig 11B-5C(b) ADA Stds Fig. 5b</p>	<p>Forward reach Maximum forward reach Maximum forward reach</p>
<p>20.16 Provide and indicate lever-action faucets at gas/air/water outlets.</p>	<p>CBC 1117B.6 #4</p>	<p>Controls and operating mechanisms</p>
<p>TEACHING FACILITY CUBICLES, STUDY CARRELS, COMPUTER CLASSROOMS, AND DARKROOMS</p>		
<p>20.17 Provide and indicate 5%, but never less than one accessible workstation of each type of use at the following teaching facilities:</p> <ol style="list-style-type: none"> 1. Cubicles and study carrels. 2. Computer stations. 3. Language. 4. Medical and dental stations. 5. Audio-visual. 6. Typing, painting, sculpting, and ceramics studios. 7. Vocational, wood, and metal shops, including spray booth. 8. Darkrooms. 	<p>CBC 1106B.3</p>	<p>Teaching facility cubicles, study carrels, etc.</p>
<p>20.18 Provide and indicate at least one teaching or demonstration station to be accessible.</p>	<p>CBC 1106B.3</p>	<p>Teaching facility cubicles, study carrels, etc.</p>

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or Code Citation

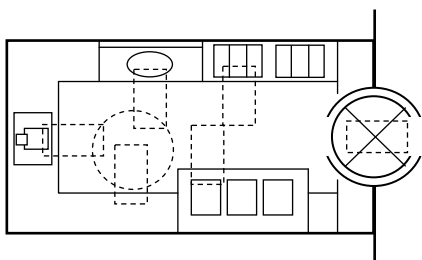
Headings / Comments / Notes
& Examples

Check List 20. EDUCATIONAL USE AREAS

20.19 Provide floor plan and indicate:

1. All workstations and equipment.
2. 30" x 48" clear space at each accessible workstation and at accessible equipment.
3. Knee clearance and reach ranges, if applicable.
4. Aisle width, maneuvering and turning clearances from room entry to all accessible elements.

20.20 Provide accessible door at darkroom.



CBSC Part 1
4-317(b)

CBC 1118B.4

CBC 1122B.3,
CBC 1118B

CBC 1133B.6.2,
CBC 1118B

CBC 1133B.2

Plans

Clear floor or ground space for
wheelchairs

Knee clearance
Space allowance & reach ranges

Aisles - width
Space allowance & reach ranges

Doors

LIBRARIES

20.21 Provide and indicate 5%, but never less than one accessible library workstation of each type of use in each area, including:

1. Cubicles, reading and study carrels, and similar areas.
2. Computer stations.

CBC 1106B.3 &
ADA Stds. 8.2

Teaching facility cubicles, study
carrels, etc.
Reading and study areas

20.22 Provide floor plan and indicate:

1. Service, information, and checkout counters.
2. Book drop.
3. Book stacks, shelves, display tables and cabinets, card files, etc.
4. Aisle widths, maneuvering and turning clearances throughout the public area.
5. All workstations and equipment, including copying machines.

CBSC Part 1
4-317(b)

Plans

20.23 Indicate height of counter/table top to be 34" max AFF.

CBC 1122B.4

Height of work surface

20.24 Bookshelves must be 54" AFF or less.

CBC 1106B.4 #3

Height of book shelves

EXCEPTION:

When an attendant is available at all times to assist persons with disabilities to retrieve books, shelves may be located higher than 54" AFF.

CBC 1106B.4 #3

Height of book shelves

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
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Check List 20. EDUCATIONAL USE AREAS

20.25 Card catalogs and magazine displays must be 48" max AFF for front reach and 54" max AFF for side reach.

CBC 1106B.4 #4

Card catalogs

20.26 Indicate 44" min width for all main aisles.

CBC 1106B.4 #2

Open book stacks

20.27 Indicate 36" min width for all side, range, and end aisles.

CBC 1106B.4 #2

Open book stacks

NOTE

Depending on the occupancy load, Chapter 10 may require wider aisles.

20.28 Provide and indicate the following dimensions when turning around bookshelves:

CBSC Part 1
4-317(b)

Plans

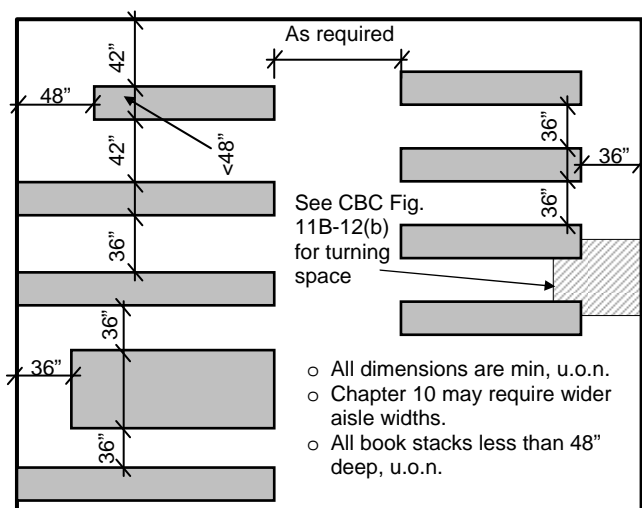
- 90 degree turns can be made from a 36" wide aisle into another 36" aisle if the depth of the bookshelf is 48" or greater on the inside dimensions of the turn.
- U-turns around bookshelves less than 48" wide can be made if the aisle width is 42" min and the base of the U-turn space is 48" min. wide.

CBC Fig. 11B-5E

Width of accessible route

CBC Fig. 11B-5E

Width of accessible route



PLAYGROUNDS

20.29 Provide and indicate accessible route of travel to playground.

CBC 1106B.1

General

20.30 Provide and indicate accessible route of travel from playground area to play equipment.

CBC 1114B

Facility accessibility

20.31 Provide and indicate accessible playground equipment. See federal guidelines for acceptable solutions: (see <http://www.access-board.gov/play/finalrule.htm>).

36 CFR Part 1191

Accessibility guidelines for buildings and facilities

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
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Check List 20. EDUCATIONAL USE AREAS

20.32 Provide and indicate destination material around playground equipment, to comply with the following standard, referenced by the federal guidelines:

1. ASTM F 1487-98 Standard Consumer Safety Performance Specification for Playground Equipment for Public Use.
2. ASTM F 1951-99 Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.
3. ASTM F 1292-99 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment.

36 CFR Part 1191
ADAAG Chapter 15
PRC 5410-5411
H&SC 115725

20.33 Indicate play components to comply with ADA Guidelines for Play Areas.

PRC 5410-5411

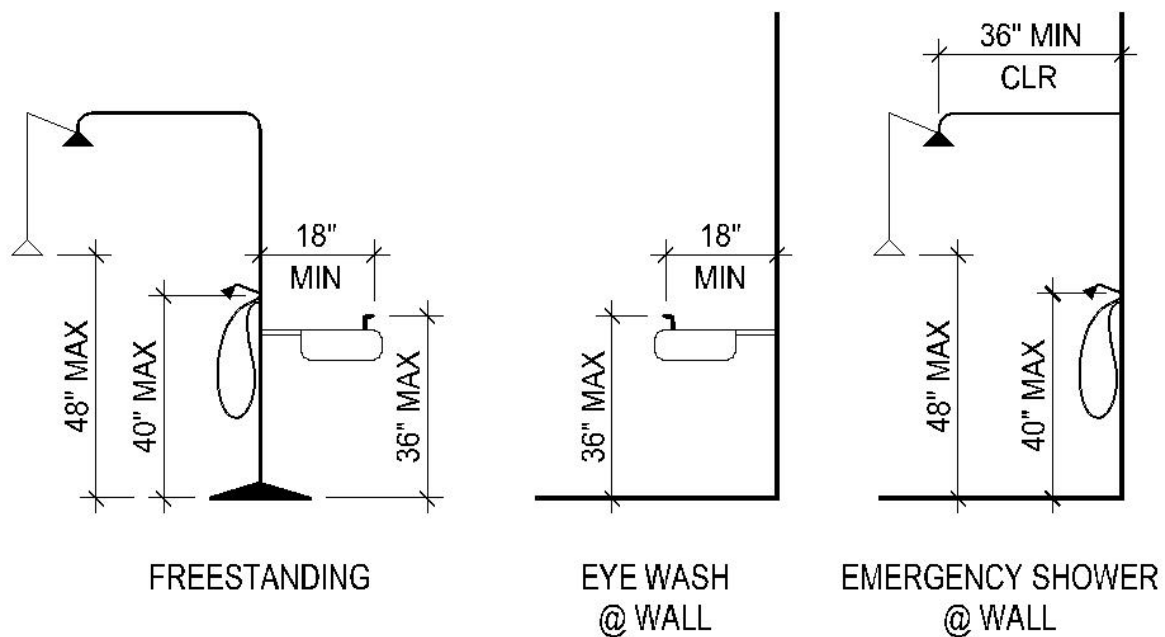
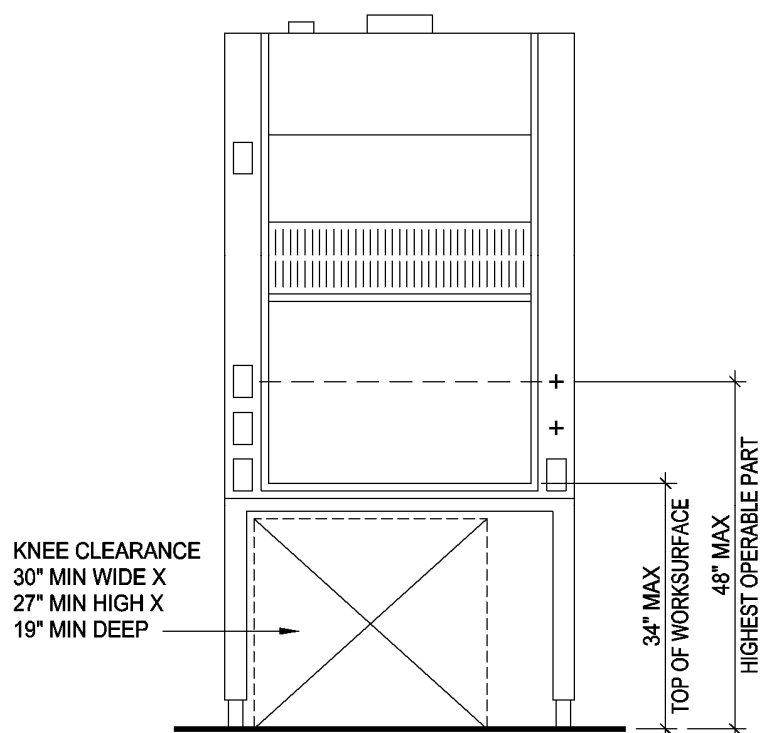


Fig 20-A - Emergency Eyewash and Shower

Fig 20-B - Accessible Fume Hood



Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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Reference
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Headings / Comments / Notes
& Examples

Check List 21. INSTITUTIONAL USE AREAS

21.1	For additional scoping requirements and exceptions see also applicable DSA-AC Checklist 1 .		
21.2	For the purpose of Access Compliance review only: Regardless of occupant load or classification, the requirements of CBC 1109B are not limited to Group I facilities or portions of facilities but do also apply to any facility or portion of a facility which is used, either full-time or part-time, or can be characterized as an institutional use area.		
21.3	All skilled nursing, long-term care, intermediate care, bed and care, nursing homes, hospitals, clinics, trauma centers, psychiatric, detoxification, rehabilitation, and similar facilities must be made accessible.	CBC 1109B.1 & ADA Stds 6.1	Group I occupancies - General Medical care facilities - General
	EXCEPTION:		
	In existing buildings where DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided. Equivalent facilitation in alterations or additions must provide for either of the following:	CBC 1109B.1	Group I occupancies - General
a.	When patient bedrooms are being added or altered as part of a planned renovation of an entire wing, a department, or other discrete area of an existing medical facility, a percentage of the patient bedrooms that are being added or altered must be made accessible. The percentage of accessible rooms provided must be consistent with the percentage of rooms required to be accessible by the applicable requirements of CBC 1109B.3 until the number of accessible patient bedrooms in the facility equals the overall number that would be required if the facility were newly constructed. Where toilet/bathrooms are part of patient bedrooms that are added or altered and required to be accessible, each such patient toilet/bathroom must be made accessible.	ADA Stds 6.1(4)(a)	Alterations to patient bedrooms
b.	When patient bedrooms are being added or altered individually, and not as part of an alteration of the entire area, the altered patient bedrooms must be made accessible unless either a) the number of accessible rooms provided in the department or area containing the altered patient bedroom equals the number of accessible patient bedrooms that would be required if the percentage requirements of 1109B.3 were applied to that department or area, or b) the number of accessible patient bedrooms in the facility equals the overall number that would be required if the facility were newly constructed. Where toilet/bathrooms are part of patient bedrooms that are added or altered and required to be accessible, each such toilet/bathroom must be made accessible.	ADA Stds 6.1(4)(b)	Alterations to patient bedrooms
21.4	At outpatient units or facilities providing medical care or services to persons with mobility impairments 10% of the total number of parking spaces must be accessible.	CBC 1129B.2 #1	Accessible parking required – Medical care outpatient facilities - Outpatient units and facilities

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Check List 21. INSTITUTIONAL USE AREAS

21.5	At facilities that specialize in the treatment of persons with mobility impairments 20% of the total number of parking spaces must be accessible.	CBC 1129B.2 #2	Units and facilities that specialize in treatment or services for persons with mobility impairments
21.6	One in every eight accessible parking spaces must be van-accessible.	CBC 1129B.3 #2	Parking space size - Van space(s)
21.7	Provide and indicate at least one accessible entrance that is protected from the weather by a canopy or roof, and which incorporates an accessible passenger loading zone. EXCEPTION: Clinics and other medical facilities that are not intended for patient stays of 24 hours or more and that are located above the first floor.	CBC 1109B.2	Entrance
21.8	Provide enlarged plan in 1/4" scale representing the actual layout of the accessible passenger loading zone, including associated entrances, sidewalks and curb ramps. Provide and indicate:	CBSC Part 1 4-317(b)	Plans
1.	5' x 20' access aisle adjacent and parallel to the vehicle pull-up space.	CBC 1109B.2 & CBC 1131B.2 #1	Entrance Passenger loading zone - General
2.	Access aisle and vehicle pull-up space must be level (2% max. slope in any direction).	CBC 1109B.2 & CBC 1131B.2 #1	Entrance Passenger loading zone - General
3.	A curb ramp, if there is a curb between the access aisle and the vehicle pull-up space, or if there is a curb between the access aisle and the accessible route of travel.	CBC 1109B.2 & CBC 1131B.2.1 #1	Entrance Passenger loading zone - General
4.	Vertical clearance of 114" min at passenger loading zones and one vehicle access route to such zones (from site entrances and exits).	CBC 1109B.2 & CBC 1131B.2 #2	Entrance Vertical clearance
5.	Design of identifying signage (including ISA).	CBC 1131B.2 #1	Passenger loading zone - General
6.	Indicate outline of canopy or roof on plan.	CBSC Part 1 4-317(b)	Plans
7.	Bus stop pads and shelters (as applicable).	CBC 1121B.2	Bus stops and terminals
21.9	All exterior and interior public use and common use areas, such as TV lounges, waiting rooms, offices, conference rooms, etc., must be made accessible.	CBC 1109B.1	Accessibility for group I Occupancies – General
21.10	In long-term care facilities (including skilled nursing, intermediate care, bed & care, and nursing homes) provide and indicate a minimum of 50% of patient bedrooms and toilet facilities to be accessible.	CBC 1109B.3 #1	Patient bedrooms and toilet rooms
21.11	In general-purpose hospitals, psychiatric and detoxification facilities provide and indicate a minimum of 10% of patient bedrooms and toilet facilities to be accessible.	CBC 1109B.3 #2	Patient bedrooms and toilet rooms

21

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
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Check List 21. INSTITUTIONAL USE AREAS

21.12 In hospitals and rehabilitation facilities that specialize in treating conditions that affect mobility, or units within either that specialize in treating conditions that affect mobility, provide and indicate that all patient bedrooms and toilet facilities shall be accessible.

CBC 1109B.3 #3

Patient bedrooms and toilet rooms

21.13 In buildings that house offices and suites of physicians, dentists, etc., all such offices or suites, and their sanitary facilities, must be made accessible.

CBC 1109B.8

Offices and suites

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes /
& Examples

Check List 22. RESIDENTIAL USE AREAS

- | | | | |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------|
| 22.1 | Buildings and complexes containing publicly funded dwelling units shall be accessible as required by Chapter 11A, Housing Accessibility. | CBC 1111B.5.1 | Buildings and complexes containing publicly funded dwelling units - General |
| 22.2 | Covered multifamily dwellings include one or more publicly funded dwelling units. | CBC 1111B.5.1 | General |
| 22.3 | Alterations to publicly funded dwelling units must comply with Division IV of Chapter 11B, including the path of travel requirements. | CBC 1111B.5.1
CBC 1134B | General
Accessibility for existing buildings |

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /
Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 23. MISCELLANEOUS AND OTHER USE AREAS

- 23.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklists 1 through 24.**

FACTORY AND WAREHOUSE USE AREAS

- 23.2** For the purpose of Access Compliance review only: Regardless of occupancy load or classification, the requirements of CBC 1107B are not limited to Group F facilities or portions of facilities but do also apply to any facility or portion of facility which is used, either full-time or part time, or can be characterized as factory or warehouse use area.

CBC 1107B

Factories and warehouses

- 23.3** All levels of multi-story factories and warehouses must be made accessible.

CBC 1107B &
CBC 1103B.1

Factories and warehouses
Building accessibility - General

EXCEPTIONS:

- Alterations when DSA determines that compliance would create an unreasonable hardship, and when equivalent facilitation is provided.
- Non-occupiable spaces accessed only by ladders, catwalks, crawl spaces, very narrow passageways, or freight (non-passenger) elevators, and frequented only by service personnel for maintenance, repair, or occasional monitoring of equipment; such spaces may include, but are not limited to, elevator pits, elevator penthouses, piping or equipment catwalks, and machinery rooms.
- Levels in private facilities that are less than three stories or that have less than 3000 square feet per story.

CBC 1103B.1 -
Exception 1

Building accessibility – General

CBC 1103B.1 -
Exception 2.1

Building accessibility – General

- 23.4** Factories must be made accessible as follows:

- All major or principal floor areas must be made accessible.
- All office areas must be made accessible.
- All sanitary facilities serving these areas must be made accessible.

CBC 1107B.1 #1

Factories

CBC 1107B.1 #2

Factories

CBC 1107B.1 #3

Factories

- 23.5** Warehouses must be made accessible as follows:

- All warehousing areas which are located on the floor nearest grade and those areas on other floors that are otherwise provided with access by level entry, ramp or elevator must be made accessible.
- All office areas must be made accessible.
- All sanitary facilities serving these areas must be made accessible.

CBC 1107B.2 #1

Warehouses

CBC 1107B.2 #2

Warehouses

CBC 1107B.2 #3

Warehouses

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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& Examples

Check List 23. MISCELLANEOUS AND OTHER USE AREAS

HAZARDOUS USE AREAS

23.6 For the purpose of Access Compliance review only: Regardless of occupancy load or classification, the requirements of CBC 1108B are not limited to Group H facilities or portions of facilities but do also apply to any facility or portion of facility which is used, either full-time or part time, or can be characterized as hazardous use area.

23.7 Hazardous use areas that are used by the public, as customers, clients, or visitors, or are potential places of employment, must be made accessible.

EXCEPTIONS:

- a. In alterations when DSA determines that compliance would create an unreasonable hardship, and when equivalent facilitation is provided.
- b. In existing buildings where DSA determines that, due to legal or physical constraints, compliance with accessibility standards or equivalent facilitation would create an unreasonable hardship.

23.8 Provide and indicate accessible toilet and bathing facilities.

23.9 Provide and indicate an accessible route of travel, including entrances, stairs, ramps, doors, turnstiles, corridors, walks, and sidewalks.

23.10 All floor and levels must be made accessible.

23.11 Provide and indicate a 36" min wide accessible route of travel and doors with 32" min clearance to all employee work areas.

STORAGE AND UTILITY USE AREAS

23.12 Storage and utility use areas that are used by the public as customers, clients, visitors or which are potential places of employment must be made accessible.

EXCEPTION:

In alterations when DSA determines that compliance would create an unreasonable hardship, and when equivalent facilitation is provided.

CBC 1108B

CBC 1108B.1

CBC 1108B.6

CBC 1108B.2

CBC 1108B.3

CBC 1108B.4

CBC 1108B.5

CBC 1114B &
CBC 109.1.2

Accessibility for Group H
Occupancies
General

Accessible facilities

NOTE:
Jurisdictional findings and determinations for exception (b) are subject to an internal DSA appeals process.

Accessible sanitation facilities

Accessible routes

Accessible floors and levels

Employee work areas

Facility accessibility
Division of the State Architect -
Access Compliance - Application

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

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Reference
or Code Citation

Headings / Comments / Notes
& Examples

Check List 23. MISCELLANEOUS AND OTHER USE AREAS

23.13	Provide and indicate at least one of each type of storage facility to be accessible.	CBC 1125B.1	Storage - General
23.14	Provide and indicate accessible route of travel to accessible storage units.	CBC 1114B.1.2	Accessible route of travel
23.15	Provide and indicate accessible opening hardware at accessible storage units.	CBC 1125B.4	Storage - Hardware
23.16	Provide and indicate accessible toilet and bathing facilities.	CBC 1115B.1	Bathing and toilet facilities – General
23.17	Provide and indicate a 36" min wide accessible route of travel and doors with 32" min clearance to all employee work areas.	CBC 1123B.2	Work stations
23.18	Public tour areas, to the extent that such public tours are conducted through or about a utility facility, or where the public is permitted to walk in such areas, must provide accessibility in those portions of the facility and grounds where this occurs.	CBC 1105B.3.4 #2	Public utility facilities
OUTDOOR USE AREAS		CBC 1132B	Outdoor occupancies
23.19	For the purpose of Access Compliance review only: Regardless of occupancy load or classification, the requirements of CBC 1132B are not limited to outdoor use areas or facilities but do also apply to any area, facility, or portion of facility which is used, either full-time or part time, or can be characterized as outdoor use area.	CBC 1132B.1	General
23.20	Outdoor use areas, including naturally occurring public accommodations, must be made accessible.	CBC 1132B.1	General
23.21	Parks and recreational areas and facilities must be made accessible. EXCEPTIONS: a. In alterations when DSA determines that compliance would create an unreasonable hardship, and when equivalent facilitation is provided. b. Where DSA finds that, in specific areas, the natural environment would be physically damaged by compliance; such areas shall be subject to these regulations only to the extent that such material damage would not occur. c. Automobile access shall not be provided or routes of travel shall not be made accessible when DSA determines that compliance with these regulations would create an unreasonable hardship.	CBC 1132B.2	Parks and recreational areas
23.22	Provide and indicate a minimum of 3% but never less than two (2) accessible campsites.	CBC 1132B.2 #1	Campsites
23.23	Accessible campsite must be level and provide a firm and stable surface.	CBC 1124B.1	Ground and floor surfaces - General

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Check List 23. MISCELLANEOUS AND OTHER USE AREAS

23.24	Provide and indicate accessible route of travel from accessible campsites to sanitary facilities.	CBC 1132B.2 #1	Campsites
23.25	If permanent sanitary facilities are provided on the site, these must be made accessible to persons using wheelchair.	CBC 1132B.2 #1 & 3	Campsites & Sanitary facilities
23.26	All beaches, picnic areas, day use areas, vista points and similar areas must be made accessible.	CBC 1132B.2 #2	Beaches, picnic areas
23.27	Boat docks, fishing piers, etc. must be made accessible.	CBC 1132B.2 #4	Boat docks
23.28	Trails, paths and nature walk areas, or portions of these, shall permit at least partial use by wheelchair occupants. Hard surface paths or walks shall be provided to serve all buildings and other functional areas.	CBC 1132B.2 #6	Trails and paths
23.29	Provide and indicate running slopes or elevation points and cross slopes.	CBSC Part 1 4-317(b)	Plans
23.30	Indicate and specify accessible trail surface material.	CBSC Part 1 4-317(b)	Plans
23.31	Nature trails and other similar educational or informational areas must be accessible to the blind with rope guidelines, raised Arabic numerals and symbols, informational signs and related guide and/or assistance devices.	CBC 1132B.2 #7	Nature trails <u>NOTE:</u> For museums, orientation buildings, visitor centers, office buildings, retail stores, restaurants, etc., and sanitary facilities serving these uses, see Sections 1104B through 1111B, 1115B, and sections listed in Section 1114B.1.1.
23.32	Highway rest areas and similar facilities must be made accessible, including:	CBC 1132B.3	Highway rest areas
	1. An accessible sanitary facility for each sex.	CBC 1132B.3.1 #1	Permanent facilities
	2. At least one accessible picnic table and one additional table for each 20 tables, or fraction thereof provided.	CBC 1132B.3.1 #2	Permanent facilities
	3. Accessible information and display areas.	CBC 1132B.3.1 #3	Permanent facilities
	4. Hi-low drinking fountains.	CBC 1132B.3.1 #4	Permanent facilities
	5. At least one van-accessible parking space.	CBC 1132B.3.1 #5	Permanent facilities
	6. Curb ramps conforming to CBC 1127B.5 must be provided at pedestrian ways where appropriate.	CBC 1132B.3.1 #6	Permanent facilities

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Check List 23. MISCELLANEOUS AND OTHER USE AREAS

SWIMMING POOLS

23.33	Swimming pool deck areas must be accessible.	CBC 1104B.4.3 #4	Participation areas – Swimming pool deck areas
23.34	Swimming pools must provide a mechanism to assist persons with disabilities in gaining entry into the pool and in exiting from the pool.	CBC 1104B.4.3 #4	Participation areas – Swimming pools
23.35	Provide and indicate swimming pool lift that complies with the following requirements:	CBC 1104B.4.3 #4	Participation areas – Swimming pool deck areas
1.	Seat must be rigid.	CBC 1104B.4.3 #4.1.1	Swimming pool deck areas
2.	Seat must be between 17" and 19" above the deck of the pool, including any cushioned surface.	CBC 1104B.4.3 #4.1.2	Swimming pool deck areas
3.	Seat must have two armrests. The armrest on the side of the seat by which access is gained must be removable or fold clear of the seat.	CBC 1104B.4.3 #4.1.3	Swimming pool deck areas
4.	Seat must have a back support that is at least 12" tall.	CBC 1104B.4.3 #4.1.4	Swimming pool deck areas
5.	Seat must have an occupant restraint for use by the occupant of the seat. Restraint must meet the standards for operable controls per CBC Section 1117B.6 #4 – be operable with one hand and not require tight grasping, pinching, or twisting of the wrist; and not require a force greater than 5 lbf (22.2 N) to activate the controls.	CBC 1104B.4.3 #4.1.5	Swimming pool deck areas
6.	Lift must be capable of unassisted operation from both the deck and water levels.	CBC 1104B.4.3 #4.2	Swimming pool deck areas
7.	Lift must be stable and not permit unintended movement when a person is getting into or out of the seat.	CBC 1104B.4.3 #4.3	Swimming pool deck areas
8.	Lift must be designed to have a live-load capacity of not less than 300 lbs.	CBC 1104B.4.3 #4.4	Swimming pool deck areas
9.	Lift must be noted to be positioned so that if the pool has water of different depths, it will place the operator into water that is at least three feet deep.	CBC 1104B.4.3 #4.5	Swimming pool deck areas
10.	Lift must be able to lower the operator at least 18" below the surface of the water.	CBC 1104B.4.3 #4.6	Swimming pool deck areas

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Check List 24. QUALIFIED HISTORICAL BUILDINGS

24.1	Provide documentation that verifies the project is a qualified historical building or property and submit along with plans for review.	CHBC 8-602.2 #2	Alternative provisions
24.2	This checklist applies to every qualified historical building, or property, that is required to provide access to people with disabilities.	CHBC, Chapter 8-6	Accessibility
24.3	Design and construction must preserve the integrity of qualified historical buildings and properties, while providing access to, and use by people with disabilities. Every function or accommodation available to the general public must be accessible either directly or by alternatives as indicated below.	CHBC 8-602	Intent
24.4	Regular code for access for persons with disabilities shall be applied to qualified historical buildings or properties, unless strict compliance with the regular code will threaten or destroy the historical significance, or character-defining features of the building or property.	CHBC 8-602.1 CHBC, Chapter 8-2	Regular code Definitions – Regular code <u>DEFINITION:</u> REGULAR CODE: The adopted regulations that govern the design and construction or alteration of non-historical buildings and properties within the jurisdiction of the enforcing agency.
24.5	If the historical significance or character-defining features are threatened, alternative provisions for access may be applied pursuant to this Checklist, provided the following conditions are met:	CHBC 8-602.2	Alternative provisions
	1. These alternative provisions shall be applied only on an item-by-item or a case-by-case basis.	CHBC 8-602.2 #1	Alternative provisions
	2. Documentation is provided, including meeting minutes or letters, stating the reasons for the application of the alternative provisions. Such documentation shall be retained in the permanent file of the enforcing agency.	CHBC 8-602.2 #2	Alternative provisions
	3. A signature of approval from the applicable enforcement agency shall accompany any alternatives, equal facilitation designs, or exceptions agreed upon.	CHBC 8-602.2 #2	Alternative provisions

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Check List 24. QUALIFIED HISTORICAL BUILDINGS

<p>24.6 The alternative minimum standards are listed below. All other related standards of regular code are not affected nor exempted.</p>	CHBC 8-603	Alternatives
<p>1. Entry</p> <p>The entrance alternatives below do not allow exceptions for the requirement of level landings in front of doors, except as provided in Section 8-603.4 (Item 3 below).</p> <p>A. Access to any entrance used by the general public and no further than 200' from the primary entrance.</p> <p>B. Access at any entrance not used by the general public, but open and unlocked with directional signs at the primary entrance and as close as possible to, but no further than 200' from, the primary entrance.</p> <p>C. Accessible entrance shall have a notification system. Where security is a problem, remote monitoring may be used.</p>	CHBC 8-603.2	Alternatives – Entry
<p>2. Doors</p> <p>Alternatives for doors listed in order of priority are:</p> <p>A. Single-leaf door that provides a 30" min clear opening.</p> <p>B. Single-leaf door which provides a 29-1/2" min clear opening.</p> <p>C. Double door, one leaf of which provides a 29-1/2" min clear opening.</p> <p>D. Double doors operable with a power-assist device to provide a 29-1/2" min clear opening when both doors are in the open position.</p> <p>Exception: Door alternatives do not apply to alteration of commercial facilities and places of public accommodation (Title III entities).</p>	CHBC 8-603.3	Alternatives – Doors
<p>3. Power-assisted Doors</p> <p>A power-assisted door or doors may be considered an equivalent alternative to level landings, strike side clearance, and door-opening forces required by the regular code.</p>	CHBC 8-603.3 #1	Alternatives – Doors
<p>4. Toilet Rooms</p> <p>In lieu of separate-gender toilet facilities as required in the regular code, an accessible unisex toilet facility may be designated.</p>	CHBC 8-603.3 #2	Alternatives – Doors
<p>5. Exterior and Interior Ramps and Lifts</p> <p>Alternatives for ramps and lifts, listed in order of priority, are:</p>	CHBC 8-603.3 #3	Alternatives – Doors
<p>A. A lift or a ramp of greater than standard slope, but no greater than 1:10, for horizontal distances not to exceed 5 feet. Signs shall be posted at upper and lower levels to indicate steepness of the slope.</p>	CHBC 8-603.3 #4	Alternatives – Doors
<p>B. Access by ramps of 1:6 slope for horizontal distance not to exceed 13". Signs shall be posted at upper and lower levels to indicate steepness of the slope.</p>	CHBC 8-603.4	Alternatives – Power-assisted doors
<p>4. Toilet Rooms</p> <p>In lieu of separate-gender toilet facilities as required in the regular code, an accessible unisex toilet facility may be designated.</p>	CHBC 8-603.5	Alternatives – Toilet rooms
<p>5. Exterior and Interior Ramps and Lifts</p> <p>Alternatives for ramps and lifts, listed in order of priority, are:</p>	CHBC 8-603.6	Alternatives – Exterior and interior ramps and lifts
<p>A. A lift or a ramp of greater than standard slope, but no greater than 1:10, for horizontal distances not to exceed 5 feet. Signs shall be posted at upper and lower levels to indicate steepness of the slope.</p>	CHBC 8-603.6 #1	Alternatives – Exterior and interior ramps and lifts
<p>B. Access by ramps of 1:6 slope for horizontal distance not to exceed 13". Signs shall be posted at upper and lower levels to indicate steepness of the slope.</p>	CHBC 8-603.6 #2	Alternatives – Exterior and interior ramps and lifts

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Check List 24. QUALIFIED HISTORICAL BUILDINGS

6. Equivalent Facilitation

Use of other designs and technologies, or deviation from particular technical and scoping requirements, are permitted if the application of the alternative provisions contained in Section 8-603 would threaten or destroy the historical significance or character-defining features of the qualified historical building or property.

A. Such alternatives shall be applied only on an item-by-item or a case-by-case basis.

B. Access provided by experiences, services, functions, materials and resources through methods including, but not limited to, maps, plans, videos, virtual reality, and related equipment, at accessible levels. The alternative design and/or technologies used will provide substantially equivalent or greater accessibility to, and usability of, the facility.

C. The official charged with the enforcement of the standards shall document the reasons for the application of the design and/or technologies and their effect on the historical significance or character-defining features. Such documentation shall be in accordance with Section 8-602.2, Item 2, and shall include the opinion and comments of state or local accessibility officials, and the opinion and comments of representative local groups of people with disabilities. Such documentation shall be retained in the permanent file of the enforcing agency. Copies of the required documentation should be available at the facility upon request.

Note: For commercial facilities and places of public accommodation (Title III entities).

Equivalent facilitation for an element of a building or property when applied as a waiver of an ADA accessibility requirement will not be entitled to the USDOJ certification of the code as rebuttable evidence of compliance for that element.

CHBC 8-604

Equivalent facilitation

CHBC 8-604 #1

Equivalent facilitation

CHBC 8-604 #2

Equivalent facilitation

CHBC 8-604 #3

Equivalent facilitation

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Check List 25. SPECIFICATIONS

25.1 For additional scoping requirements see also applicable **DSA-AC Checklists 1 through 24.**

DIVISION 2, SITE WORK

25.2 Specify concrete paving and concrete finishes along accessible routes of travel to be at least as slip-resistant as that described as a medium salted finish for slopes of less than 6%, and slip-resistant at slopes of 6% or greater

CBC 1133B.7.1

Continuous surface

25.3 Specify all gates, including ticket gates, to meet all applicable specifications for doors. Coordinate and specify height and type of hardware with door requirements.

CBC 1133B.1.1.1.4

Gates

25.4 Specify bottom 10" of gates to have a smooth uninterrupted surface.

CBC 1133B.2.6

Smooth surface

DIVISION 8, DOORS & STOREFRONTS

25.5 Specify thresholds in the accessible route of travel.

CBC 1133B.2.4.1

Thresholds

25.6 Specify closer-effort to be 5 lbf at exterior doors and interior doors.

CBC 1133B.2.5

Closer-effort to operate doors

25.7 Delete note that states that fire doors or rated doors can have up to 15 lbs operating effort, or provide the following note: "The Authority having Jurisdiction, may increase the maximum effort to operate fire doors to achieve positive latching, but not to exceed 15 lbs max."

CBC 1133B.2.5

Closer-effort to operate doors

25.8 Specify door closer and closer delay time.

CBC 1133B.2.5.1

Door closer

25.9 Where flush bolts occur in the accessible route of travel, specify accessible flush bolt (automatic).

CBC 1133B.2.5.2

Door hardware

25.10 Specify hand-activated hardware between 30" to 44" AFF; lever-type hardware, panic bars or push-pull activating; lever handle for thumb turn dead bolt.

CBC 1133B.2.5.2

Door hardware

25.11 Provide cut sheets for all door operating hardware at back check appointment.

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25.12 Provide cut sheets for darkroom doors.

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DIVISION 9, FINISHES

25.13 Specify tile flooring to be slip-resistant.

CBC 1124B.1

Ground & floor surfaces –

25.14 Specify resilient flooring to be slip-resistant.

CBC 1124B.1

Ground & floor surfaces

25.15 Specify carpet to be securely attached to floor, firm or no pad, 1/2" max pile height, and level loop or cut pile.

CBC 1124B.3

Carpet

25.16 Specify anchorage at recessed doormats.

CBC 1133B.1.1.1.3

Recessed doormats

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Check List 25. SPECIFICATIONS

DIVISION 10, SPECIALTIES

- | | | | |
|--------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------|
| 25.17 | Specify signage to be in compliance with 1114B, 1115B.5 and 1117B.5. Also see Checklist 17. | -- | |
| 25.18 | Specify signage font, size, color and color of background. | CBC 1117B.5 | Signs & identification |
| 25.19 | Specify toilet compartment doors to have automatic-closing device, U-shaped handles below latch, and flip-over or sliding latch. | CBC 1115B.3.1 #4.5 | Compartment doors |
| 25.20 | Specify coat hook to be installed at 48" max AFF. | CBC 1118B.5 | Forward reach |
| 25.21 | Specify toilet tissue dispensers to be continuous flow type. | CBC 1115B.8.4 | Toilet tissue dispensers |
| 25.22 | Specify grab bar length and diameter. | CBC 1115B.7 | Grab bars, tub and shower seats |
| 25.23 | Provide cut sheets of all toilet room accessories at back check appointment. | -- | |

DIVISION 11, EQUIPMENT

- | | | | |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------|
| 25.24 | Specify accessible fume hood, eyewash, deluge shower, other specialized equipment, etc. | -- | |
| 25.25 | Provide cut sheets for specialized equipment used at back check appointment. | -- | |
| 25.26 | Specify clear knee space at specialized equipment and/or accessible reach ranges. | CBC 1118B.4,
CBC 1118B.5 &
CBC 1118B.6 | Clear floor or ground space
Forward reach
Side reach |
| 25.27 | Specify food service aisle to be 36" min wide and tray slides to be mounted at 34" max AFF. | CBC 1104B.5 #5 | Food service aisles |
| 25.28 | Specify walk-in coolers and freezers to have accessible entry and exit door hardware, and level maneuvering clearances at the exterior side. | CBC 1133B.2.4.2
CBC 1133B.2.5.2 | Maneuvering clearances at doors
Hand-activated door opening hardware |

DIVISION 12, FURNISHINGS

- | | | | |
|--------------|-------------------------------------------------------------------------------------------------|------------------|-------------------|
| 25.29 | Specify U-pulls at cabinets/casework for accessible storage. | CBC 1125B.4 | Hardware |
| 25.30 | Specify access signage at bleachers. | CBC 1104B.3.4 #1 | Wheelchair spaces |
| 25.31 | Provide code references for accessible seating for persons using wheelchairs and companion. | -- | |
| 25.32 | Specify 1% or at least one accessible locker, including shelf and coat-hook height and signage. | CBC 1115B.8.5 | Lockers |

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Check List 25. SPECIFICATIONS

DIVISION 14, CONVEYING SYSTEMS

25.33 Refer to Section 1116B.1 for elevators.

CBC 1116B.1

Elevators

25.34 Refer to Sections 1116B.2 and 1116B.3 for special access (wheelchair) lifts.

CBC 1116B.2 &

CBC 1116B.3

Special access (wheelchair) lifts
When provided as a means of egress

25.35 Specify lift platform safety sensors to prevent downward travel if obstruction is encountered.

CCR Title 8

25.36 Specify back-up battery when lift used for platform is without direct accessible egress.

CBC 1116B.3

Special access (wheelchair) lifts

25.37 Specify all elevator/lift signage.

CBC 1117B.5

Signs & identification

DIVISION 15, MECHANICAL/PLUMBING

25.38 Coordinate height of accessible fixtures with those indicated in construction drawings

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25.39 Provide cut sheets for water closet, urinal, lavatories, drinking fountain, showers, etc

--

25.40 Specify lever-operated faucets. Push-type and electronically controlled mechanisms are acceptable (controls to be operable with one hand; no tight grasping, pinching or twisting of the wrist).

CBC 1115B.4.3 #1

Accessible lavatories

25.41 Specify force to activate controls to be no greater than 5 lbf.

CBC 1115B.4.3 #1

Accessible lavatories

25.42 Specify faucet to remain open for at least 10 seconds when self-closing valves are used.

CBC 1115B.4.3 #1

Accessible lavatories

25.43 Specify insulation or cover for hot water and drainpipes under accessible sinks and lavs.

CBC 1115B.4.3 #4

Accessible lavatories

25.44 Specify accessible sinks to be 6 1/2" max deep.

CBC 1115B.4.7

Accessible sinks

DIVISION 16, ELECTRICAL

25.45 Specify permanently installed assistive listening system for assembly use areas with fixed seating.

CBC 1104B.2 #6

ALS – Permanent and portable systems

25.46 Specify portable assistive listening system for assembly use areas with non-fixed seating.

CBC 1104B.2 #6

ALS – Permanent and portable systems

25.47 Specify type of assistive listening system.

CBC 1104B.2 #2

ALS – Types

25.48 Specify number of receivers and number of signs.

CBC 1104B.2 #1
CBC 1104B.2 #4

ALS – Number required
ALS – Signage